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USA

DTC1000 DTC4000 DTC4500

PRINTER & DUAL-SIDED PRINTING MODULE

SERVICE MANUAL

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Introduction 5

Safety Messages (review carefully) 6
Tools need for DTC1000/4000/4500 Card Printer repair- replacement procedures 7

Cover Removal Procedures 8
Remove/Replace Printer Covers DTC1000 Single Side 8
DTC4000 - DTC1000 Dual-Sided Printing Module Removal 13
DTC1000 DUAL - DTC4000 Printer Cover Removal 19
DTC4500 Single Side Printer Cover Removal 28
DTC4500 Lamination Module Cover Removal 35
Complete Lamination Module Removal 41

Parts Replacement- Printer 42
Remove/Replace the Mainboard (D930500) 42
Remove/Replace the LCD Display Assembly (D930507) 44
Remove/Replace the Stepper Motor D930027 45
Remove/Replace Stepper Belt F000424 (2 used) 45
Remove/Replace Pulley D900430 45
Remove/Replace the Mag Roller (D930122) 51
Remove/Replace the Output Roller (D930123) 54
Remove/Replace Pinch Roller-spring (D900013-F000338) 54
Remove/Replace the Platen Roller (D930120) & Pulley/Gear (D900429) 56
Remove/Replace the Lift Pinch Roller Assembly (D930137) 59
Remove/Replace Pinch Lift Bracket (D930136) 59
Remove/Replace the Cleaning Roller (D930121) 64
Remove/Replace Input Feed Lever (D930132) 64
Remove/Replace Input Lever Gear (D930164) 64
Remove/Replace Supply Spindle RFID Motor (D930015) DTC4500 66
Remove/Replace Supply Spindle RFID Motor (D930015) DTC1000/4000 69
Remove/Replace Ribbon Take-Up Motor (D900568) 73
Remove/Replace Encoder Sensor (A000126) for RFID Supply Spindle/ Cable (D930605) 75
Remove/Replace PCB board (A000365) 75
Remove/Replace the PCB board (A000365) 80
Remove/Replace Ribbon Sensor (D930016) 81

Parts Replacement - Dual-Sided Printing Module 84
Remove/Replace the Flipper Cover 85
Remove/Replace the Flipper Table (D930011) 88
Remove/Replace the Flipper Feed Roller (D930149) 91
Remove/Replace Pinch Roller D920013 & F000338) 91
Remove/Replace Pinch Roller Gears (D30165 & D930166) 91
Remove/Replace the Flipper Assembly Stepper Motor – E001135 94
Remove/Replace the Headlift Sensor/Cable- D900113 95
Remove/Replace the IR Sensors D930609 (short) D930614 (tall) 96
Remove/Replace the PCB Output Controller -D930503 97

Appendix A 98
Wire Routing Display of Dual-Sided Printing Module 98

Appendix B 99
Replacing the DTC1000-DTC4000-DTC4500 Printhead 99
DTC1000-DTC4000-DTC4500 Printhead procedure 100
Lamination Module Field Upgrade Installation Guide 109
Installing the Laminates 128
Adjusting the Lamination Placement on the Card 132

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Appendix C _____ **133**
Mainboard connections _____ 133

Appendix D Engineer Drawings _____ **136**

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Introduction

The service manual serves to inform the technician about the DTC1000-4000-4500 Card Printer & Dual-Sided Printing Module parts replacement procedures.

Important: These procedures can only be performed by authorized service personnel.

Caution: Turn OFF the Printer and unplug the power cord from the Printer.

Danger: Wear proper eye protection to perform the procedures in this section.

ESD precautions are necessary when handling electronics assemblies.

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Safety Messages (review carefully)

The purpose of this section is to provide the User with specific replacement procedures for the Card Printer. Please review standard precautions (to take) while performing these replacement procedures.

Symbol	Critical Instructions for Safety purposes
Danger:	**Failure to follow these installation guidelines can result in death or serious injury.** Information that raises potential safety issues is indicated by a warning symbol (as shown to the left). • **To prevent personal injury**, refer to the following safety messages before performing an operation preceded by this symbol. • **To prevent personal injury**, always remove the power cord prior to performing repair procedures, unless otherwise specified. • **To prevent personal injury**, make sure only authorized service personnel perform these procedures.
Caution:	**This device is electrostatically sensitive**. **It** can **be damaged if exposed to static electricity discharges.** Information that raises potential electrostatic safety issues is indicated by a warning symbol (as shown to the left). • **To prevent equipment or media damage**, refer to the following safety messages before performing an operation preceded by this symbol. • **To prevent equipment or media damage**, observe all established Electrostatic Discharge (ESD) procedures while handling cables in or near the Circuit Board and Printhead Assemblies • **To prevent equipment or media damage**, always wear an appropriate personal grounding device (e.g., a high quality wrist strap grounded to avoid potential damage). • **To prevent equipment or media damage**, always remove the Ribbon and Cards from the Printer before making any repairs, unless otherwise specified. • **To prevent equipment or media damage**, take jewelry off of fingers and hands, as well as thoroughly clean hands to remove oil and debris before working on the Printer.

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Tools need for DTC1000/4000/4500 Card Printer repair- replacement procedures

T10 Torx screwdriver

E Clip tool

Small flathead screwdriver

Needle Nose Pliers

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Cover Removal Procedures

Remove/Replace Printer Covers DTC1000 Single Side

Tools needed: T10 Torx screwdriver

Estimated Repair Time: 15 minutes

Preparation:

Important: This procedure can only be performed by authorized service personnel.

Top Cover/PCB Assy	D930034-01
Front Door	D930265-01
Left Cover	D930263-01
Right Cover	D930264-01
Output Bin	D930269-01

Step	Procedure
1	Caution: Turn OFF the Printer and unplug the power cord from the Printer.
2	Open the front door. Locate and remove the 2 screws. (F000178)

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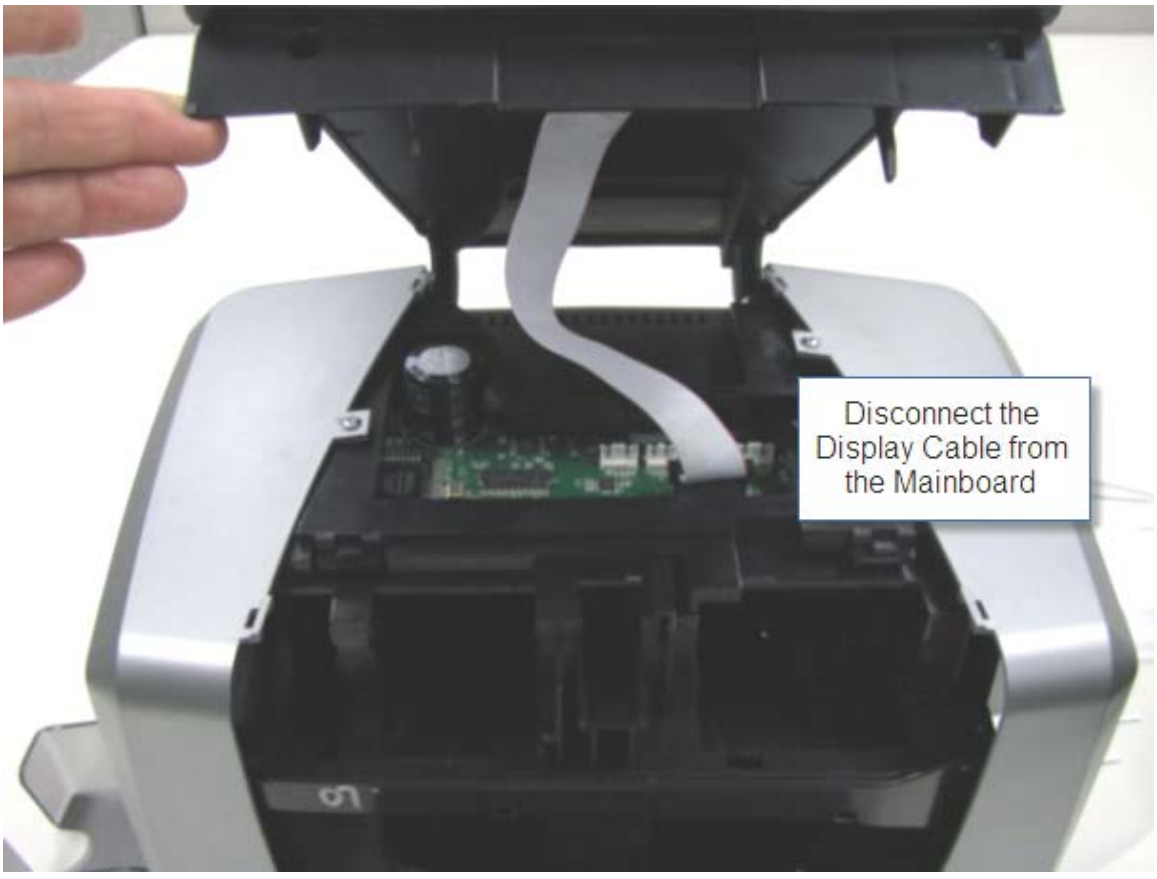
3	Lift up the top cover and disconnect the display cable (D930607) from the mainboard. Remove the top cover by flexing the center to disengage the insert tabs.



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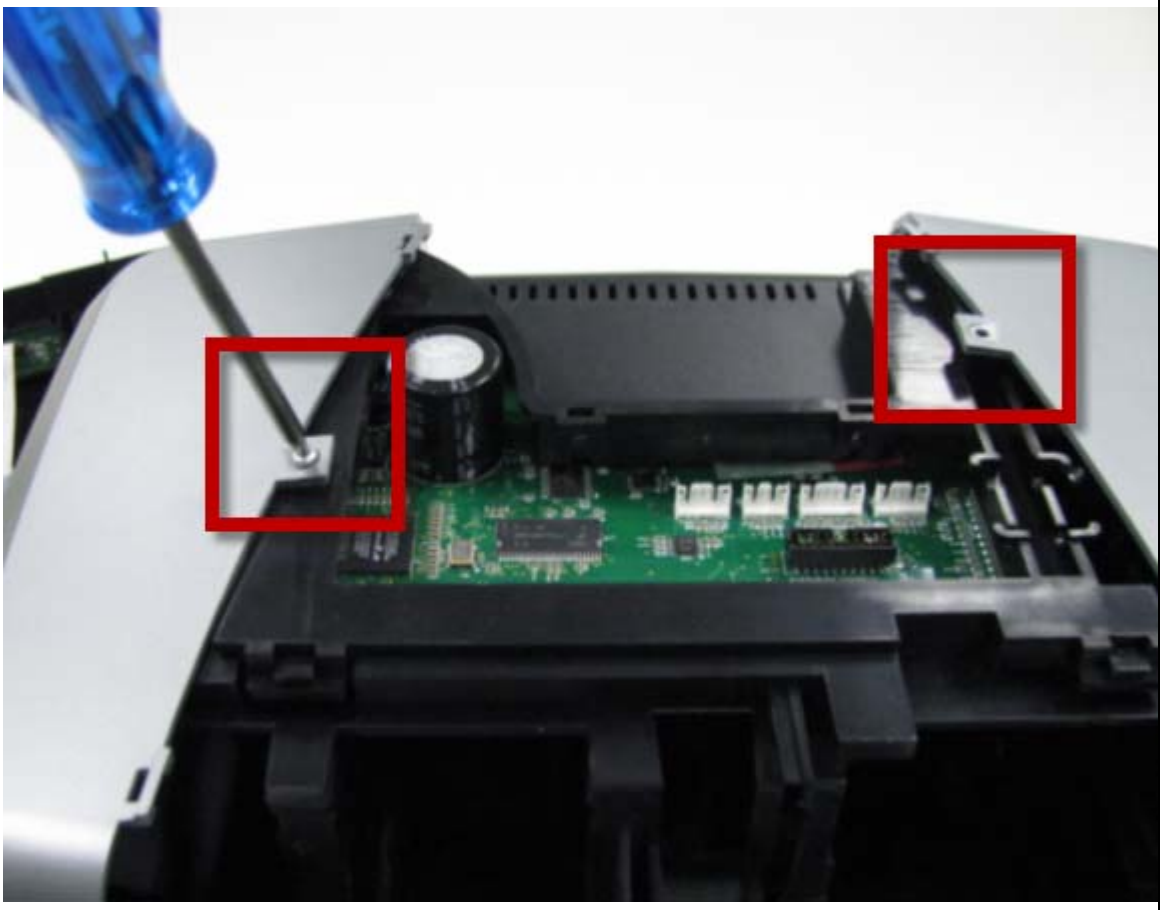
4	Reomve the 2 screws(F000178) that hold the side covers to the frame. 
5	Remove both side covers. The input and output hoppers are attached to the side covers.
6	Remove the outer back cover by releasing the tabs on the left and right side.

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	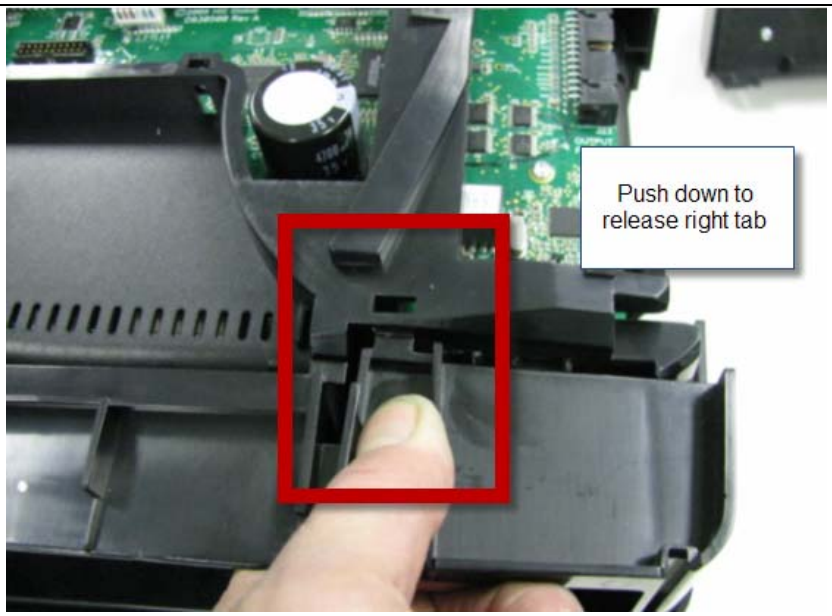 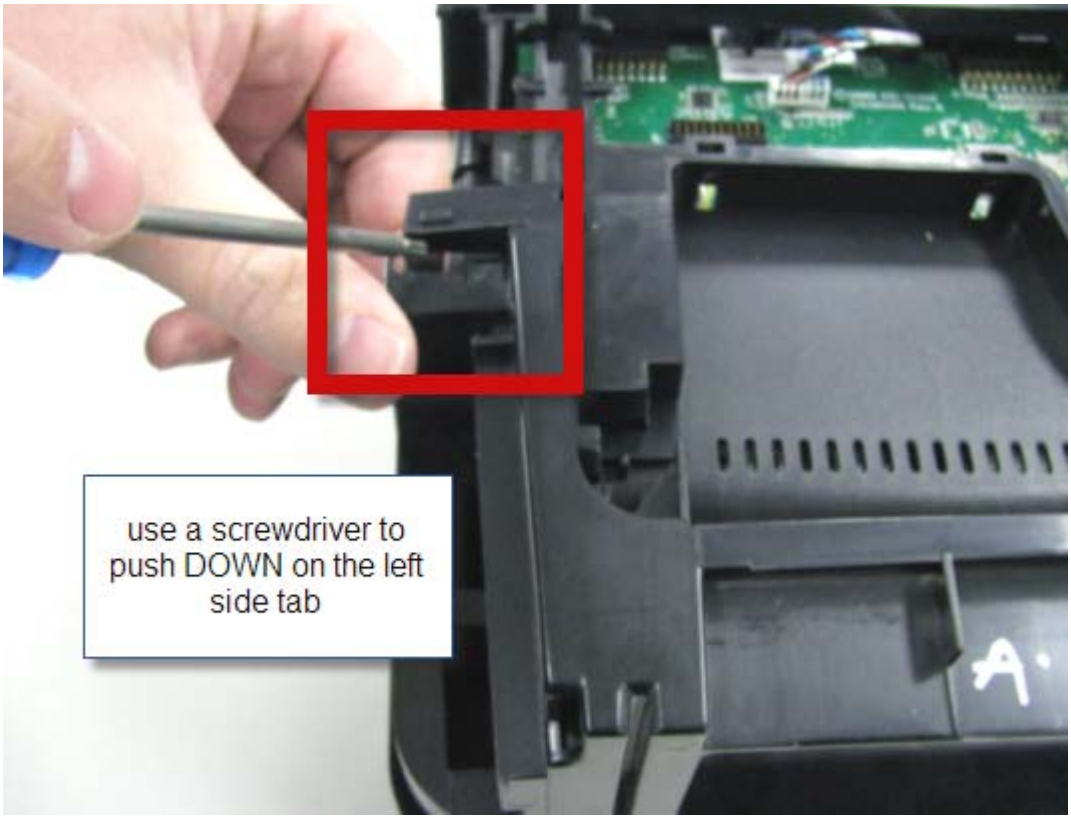 Tilt cover down to release the bottom tabs.
7	Remove the 2 screws on the bottom left and right side to remove the inner back cover.

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	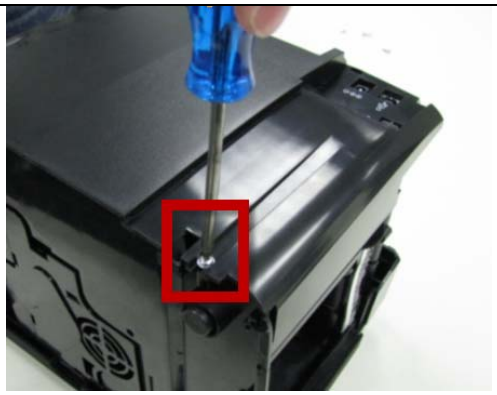 Left Side Right Side
8	Lift UP the bottom of this cover to release the upper tabs that hold the cover to the frame.
9	Procedure is complete.

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DTC4000 - DTC1000 Dual-Sided Printing Module Removal

DTC4000

DTC1000 Dual

If the Dual-Sided Printing Module needs to be removed for any Printer Replacement procedures or to remove the covers follow this procedure.

DTC4000 shown in the example below.

Tools needed: T10 Torx screwdriver

Estimated Repair Time: 15 minutes

Preparation:

Important: This procedure can only be performed by authorized service personnel.

Top Cover

D930192-01 used in DTC4000/DTC4500- Black

Top Cover

D930192-02 used in DTC1000-Silver

Front Door

D930194-01 used in DTC1000/4000/4500-Gray

Card Bin Cover

D930193-01 used in DTC4000/4500 & Flipper TALL- Black

Card Bin Cover

D930193-02 used in DTC1000-Silver

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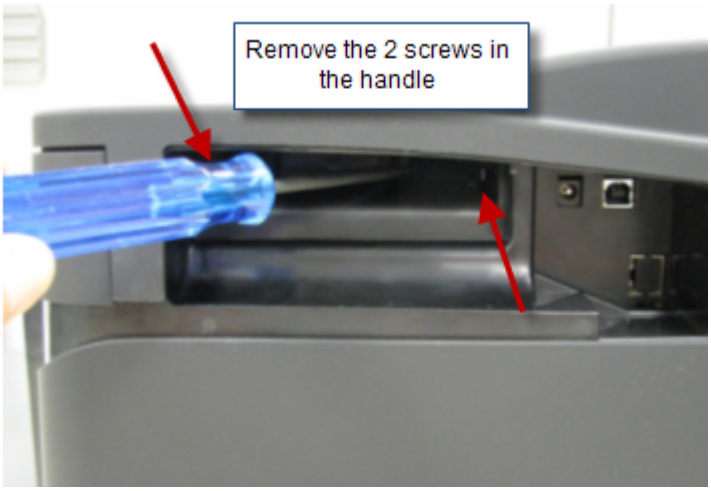
Step	Procedure
1	Caution: Turn OFF the Printer and unplug the power cord from the Printer.
2	Remove the Top Cover first in order to get to the Dual-Sided Printing Module screw attachment. Remove the two screws that hold the TOP Cover in place. 
3	Lift up the top cover from the back first then the front. Remove and set aside.

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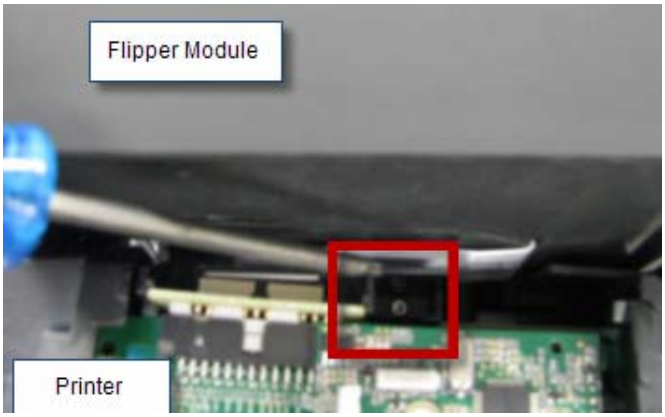
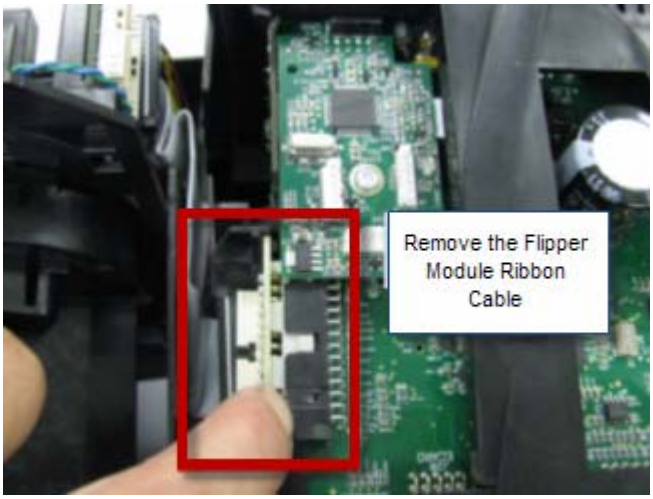
4	Remove the one (1) screw that attaches the Dual-Sided Printing Module to the Printer. 
5	Remove the Dual-Sided Printing Module ribbon cable from the board contact. 
6	Turn the printer over and un-snap the TABS that hold the Dual-Sided Printing Module to the Printer.

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	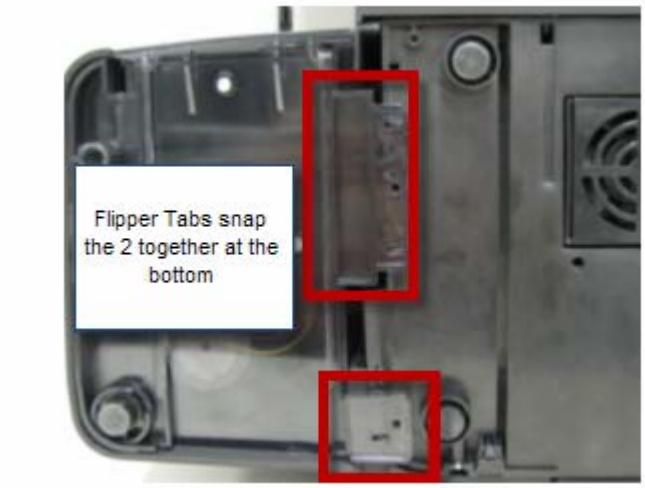
7	Remove the Dual-Sided Printing Module. Tilt back to release the modules.
8	**IMPORTANT NOTE ON THE INITIAL RELEASE OF THE PRINTER/DUAL-SIDED PRINTING MODULE FOR DTC1000 OR DTC4000 CARD PRINTERS.**

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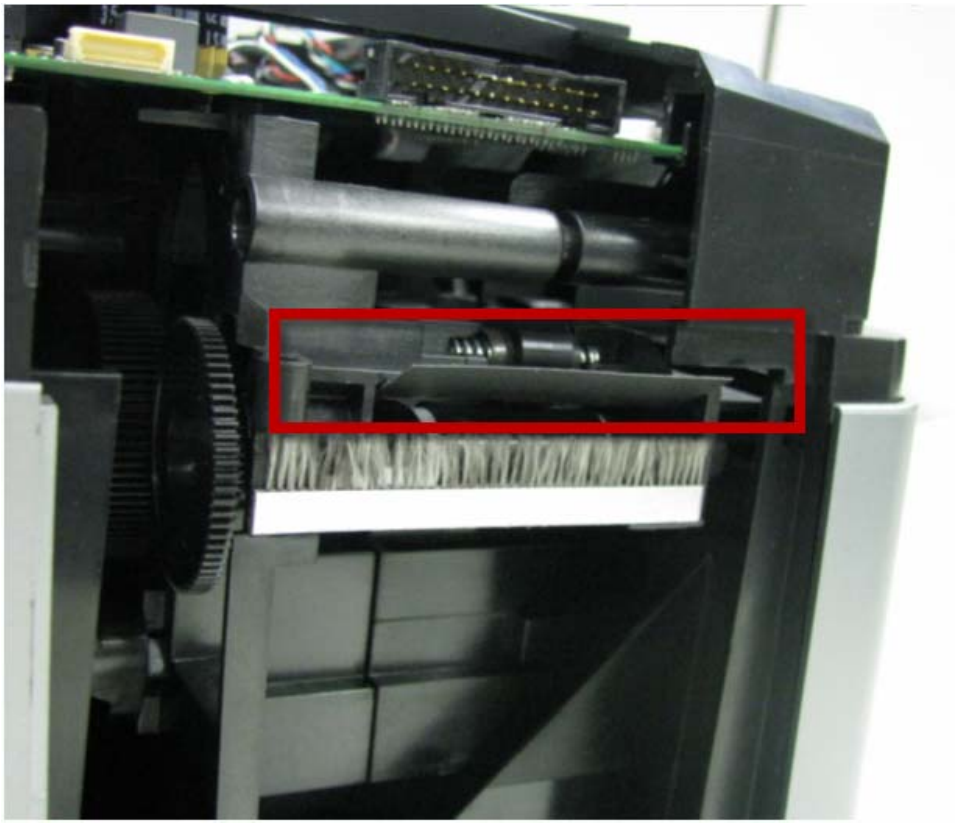
9	When replacing the Dual-Sided Printing Module check to see if the Printer has this FLAP directly above the Static Brush. 
10	If your printer has this FLAP then extra care must be taken when attaching the Dual-Sided Printing Module back to the Printer. To reattach the Dual-Sided Printing Module to the Printer, start from the bottom then tilt up to connect the Ribbon Cable to the PCB.

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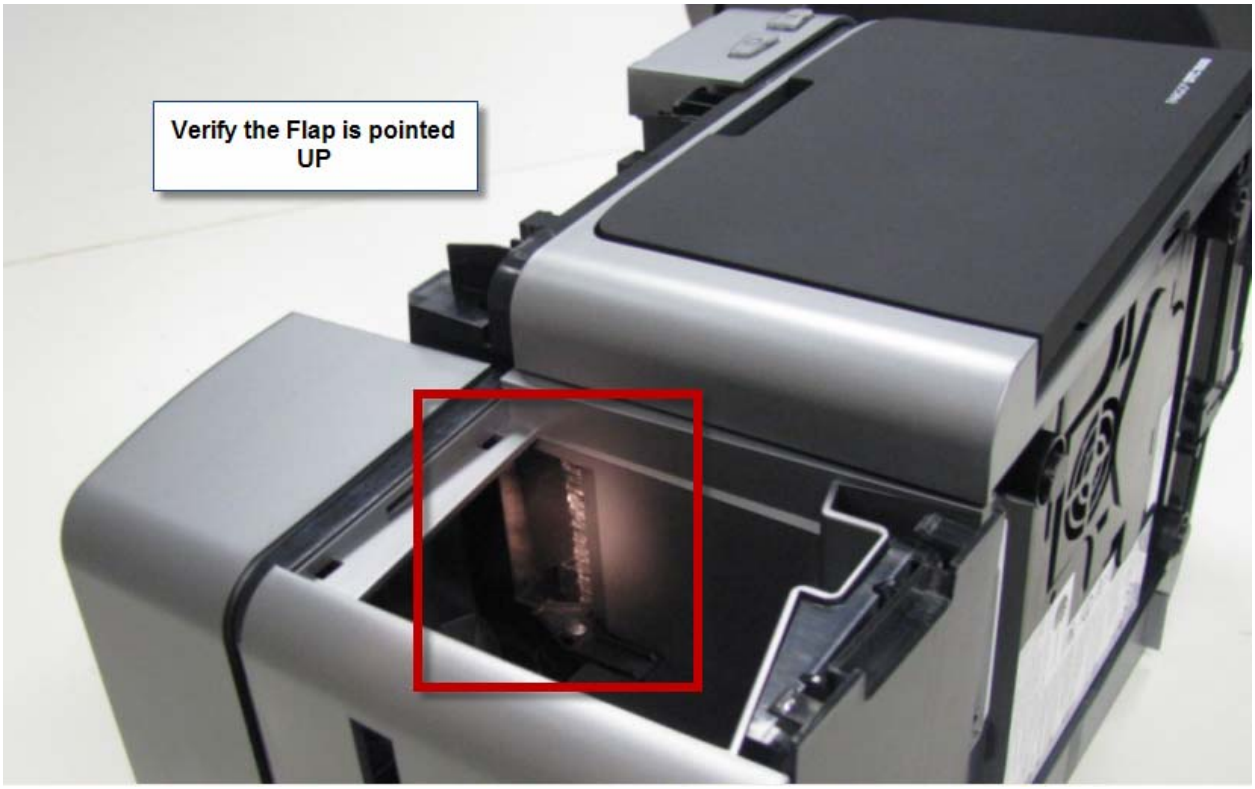
11	Verify that the FLAP is pointed UP and it is not folded down into the card path. Doing so will cause a card traveling issue between the two.  Printer is shown tipped back and light shone in to show FLAP position.

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DTC1000 DUAL - DTC4000 Printer Cover Removal

(**NOTE:** Use this procedure for removing the covers of the DTC1000 DUAL & DTC4000 printer cover AFTER the Dual-Sided Printing Module has been removed.)

DTC1000 DUAL

DTC4000 shown in the example below.

Tools needed: T10 Torx screwdriver

Estimated Repair Time: 15 minutes

Preparation:

Important: This procedure can only be performed by authorized service personnel.

	DTC1000 DUAL	DTC4000
Top Cover	D930181-02	D930181-01
Front Door	D930183-01	D930183-02
Output Cover	N/A	D930281-01
Display Cover	D930189-02	D930189-01
Blank		
Display Cover/PCB	D930017	D930018
Output Bin		D930333

Step	Procedure
1	Caution: Turn OFF the Printer and unplug the power cord from the Printer.

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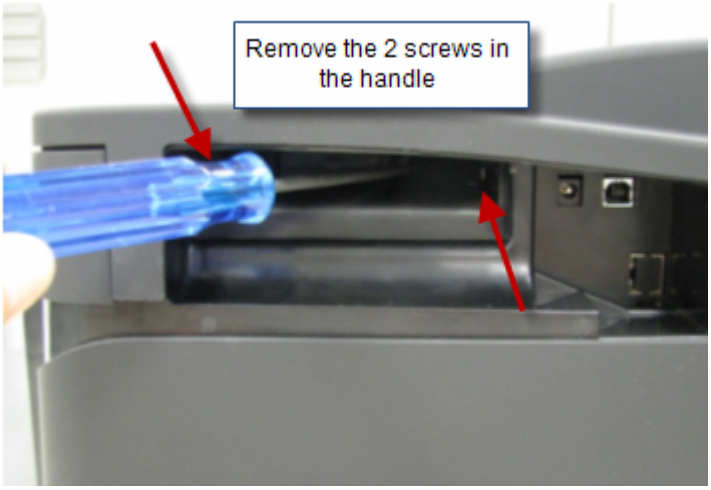
2	From the back of the printer locate and remove the 2 screws. (F000178) 
3	Lift up the top cover from the back first then the front. Remove and set aside.

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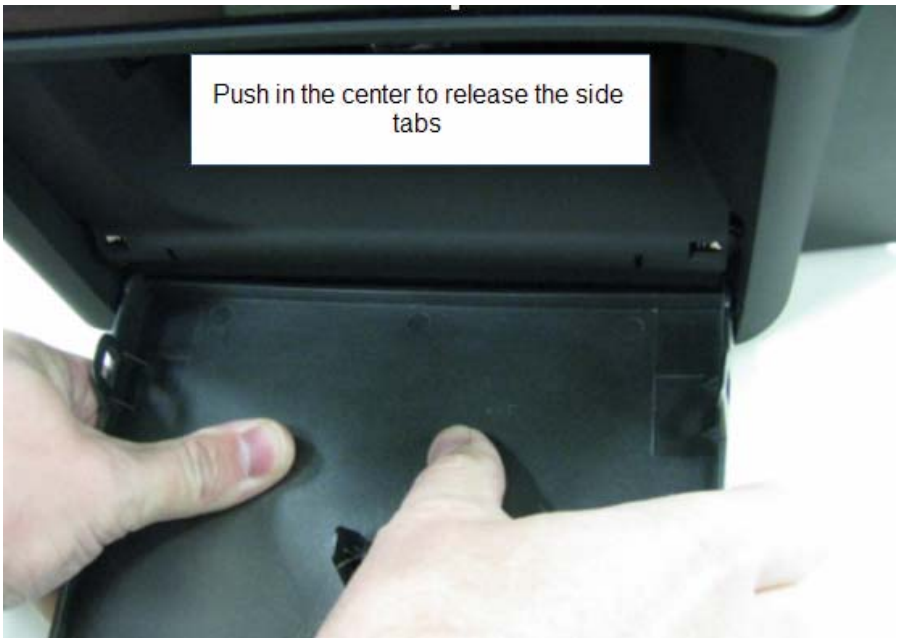
4	Unsnap the display by pivoting from the top DOWN to release the bottom tabs. Remove the ribbon cable from the mainboard.
5	Remove the front door but pushing the center down to release the side tabs. 

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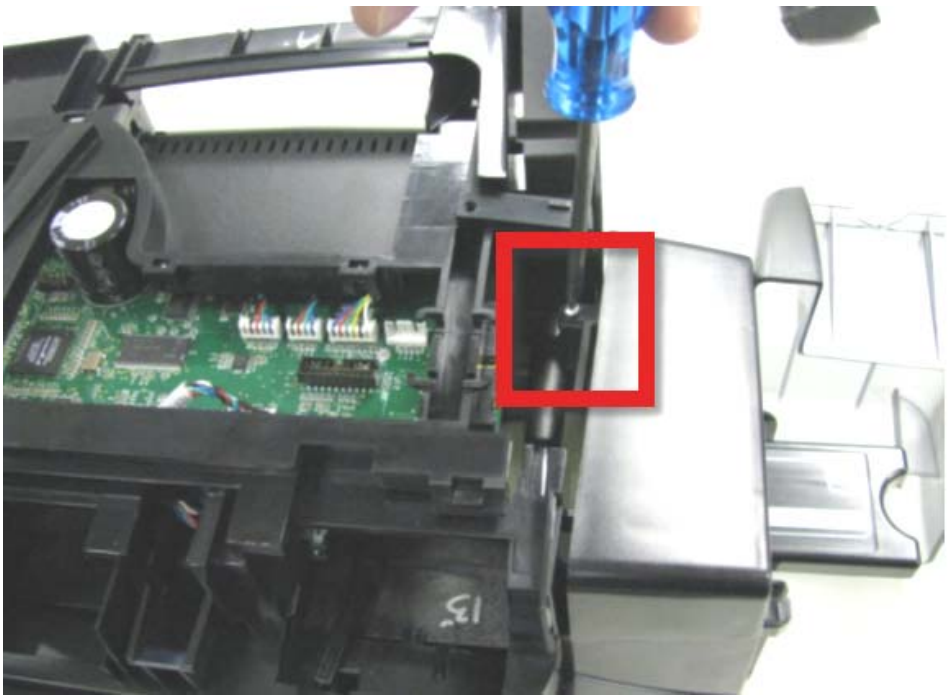
6	Remove the screw holding the card input hopper to the frame. 
7	Remove the input hopper by tilting back and away from the frame. There are tabs at the bottom that hold the hopper to the frame.

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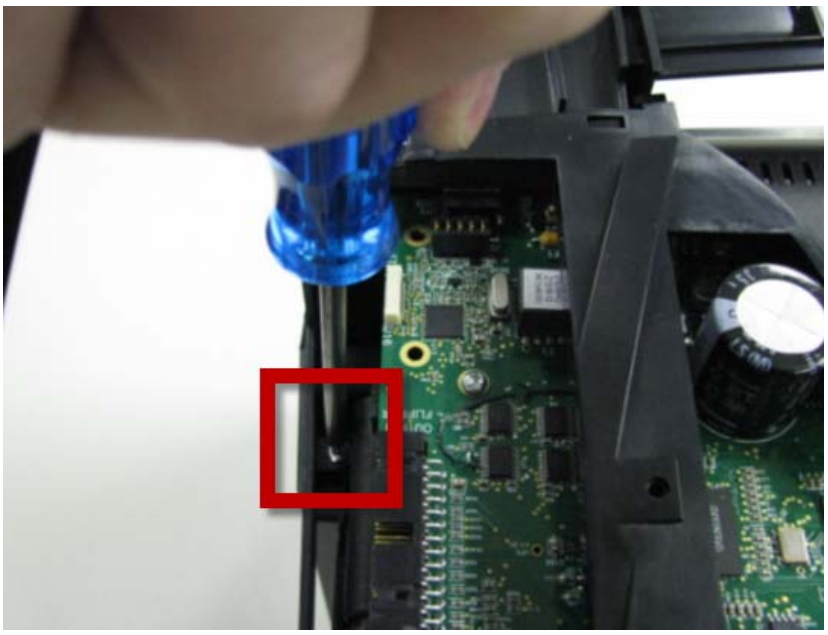
8	Remove the screw that holds the output cover in place. 
9	Tilt down and remove the output side cover.

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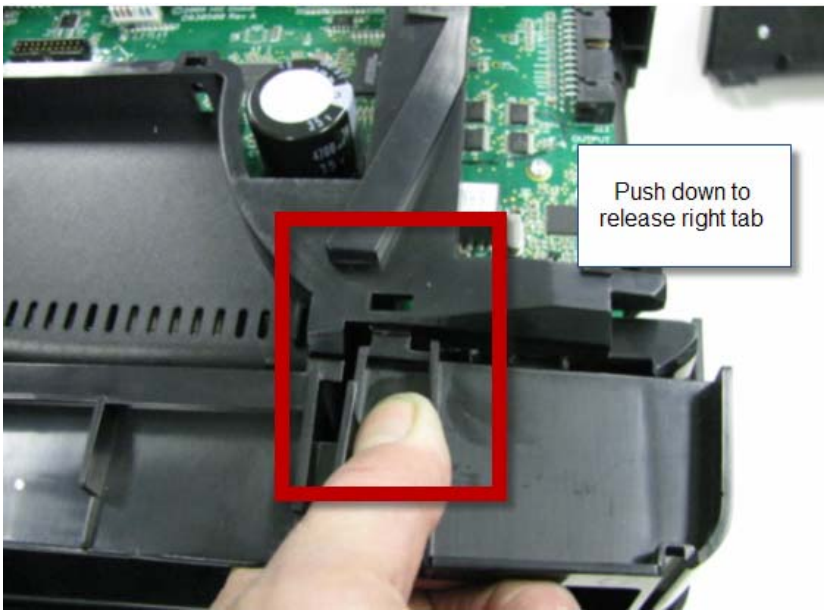
10	Remove the display cover by tilting from the top DOWN. This will unsnap the bottom tabs holding it to the frame.
11	Remove the outer back cover by releasing the tabs on the left and right side. 

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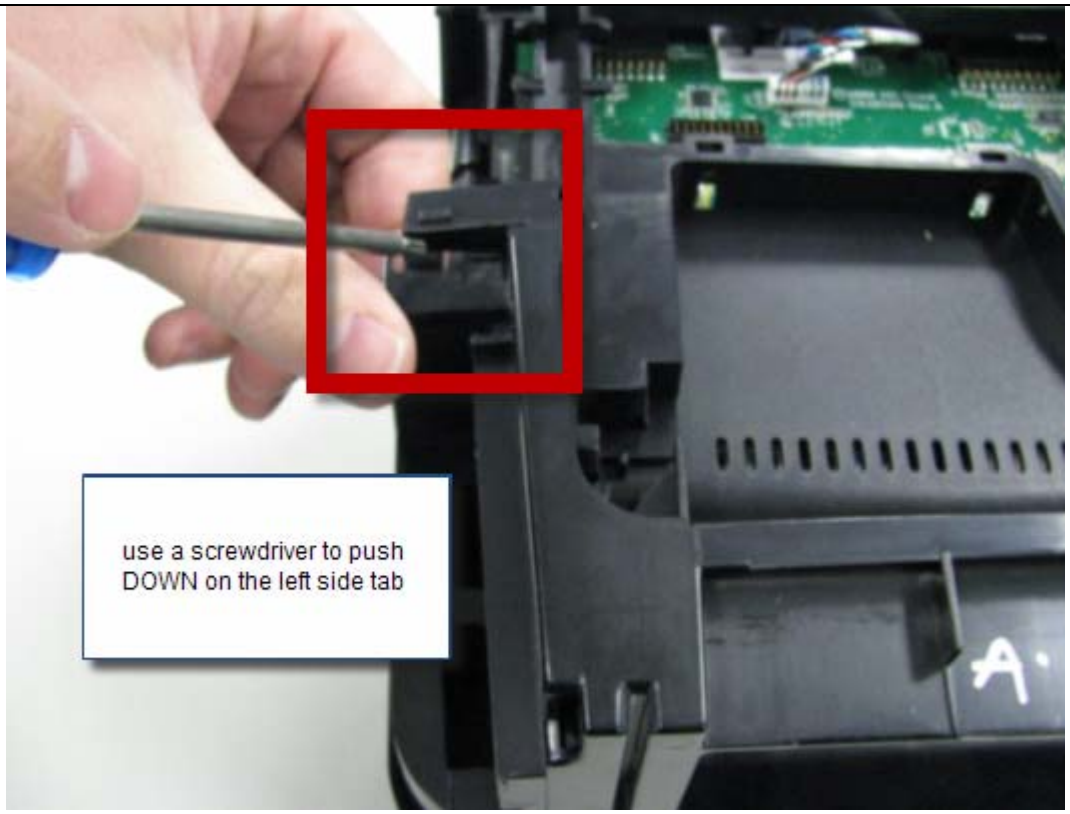
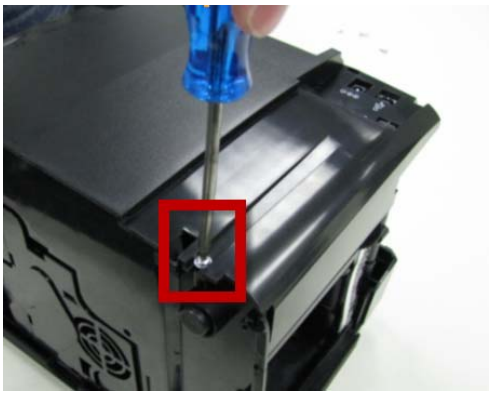


Tilt cover down to release the bottom tabs.

12 Remove the 2 screws on the bottom left and right side to remove the inner back cover.

Left Side



Right Side

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13	Lift UP the bottom of this cover to release the upper tabs that hold the cover to the frame.
14	Procedure complete. DTC4000 Printer with covers removed.

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15	Reverse assembly instructions for replacing the covers.

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DTC4500 Single Side Printer Cover Removal

DTC4500

Tools needed: T10 Torx screwdriver

Estimated Repair Time: 15 minutes

Preparation:

Important: This procedure can only be performed by authorized service personnel.

Top Cover	D930181-01Display Cover/PCB D930018Display Cover-Blank D930189-01
Output Cover	D930281-01
Cartridge-Handle	D930020

Step	Procedure
1	Caution: Turn OFF the Printer and unplug the power cord from the Printer.
2	Remove the card output hopper. Squeeze in from the top to unlatch the tabs.

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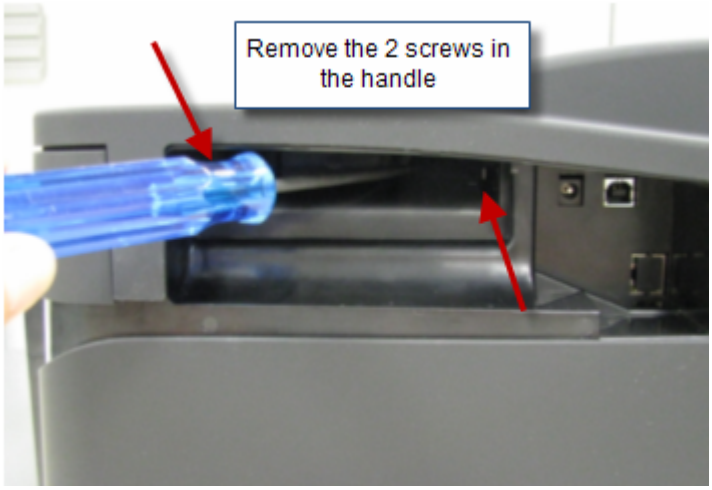
2	From the back of the printer locate and remove the 2 screws. (F000178) 
3	Lift up the top cover from the back first then the front. Remove and set aside.

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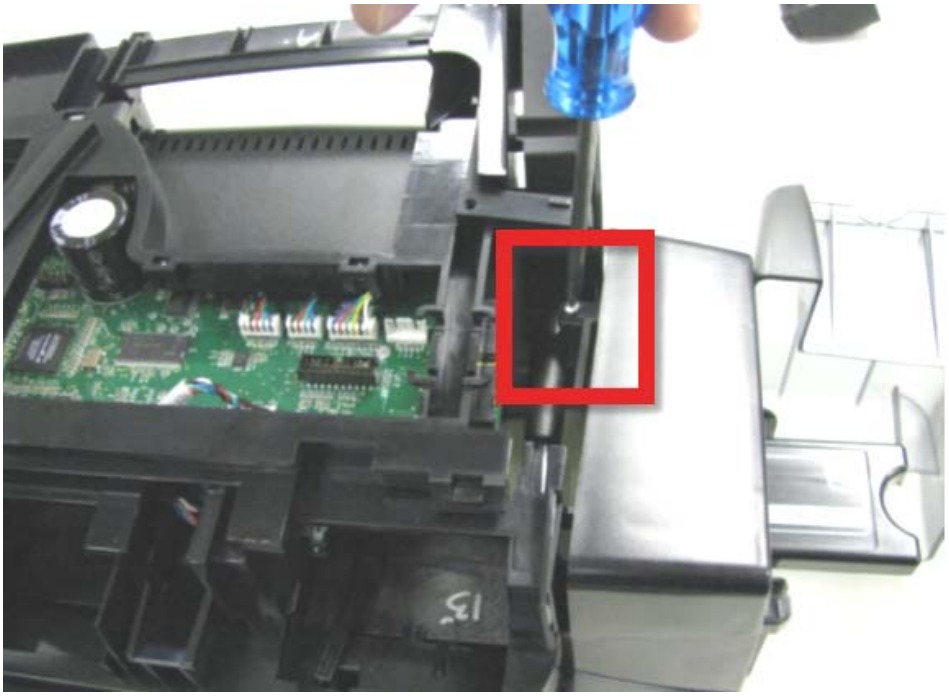
4	NOTE: In some cases you may need to remove the Display. Unsnap the display by pivoting from the top DOWN to release the bottom tabs. Remove the ribbon cable from the mainboard.
5	Open the front door
6	Remove the screw holding the card input hopper to the frame. 

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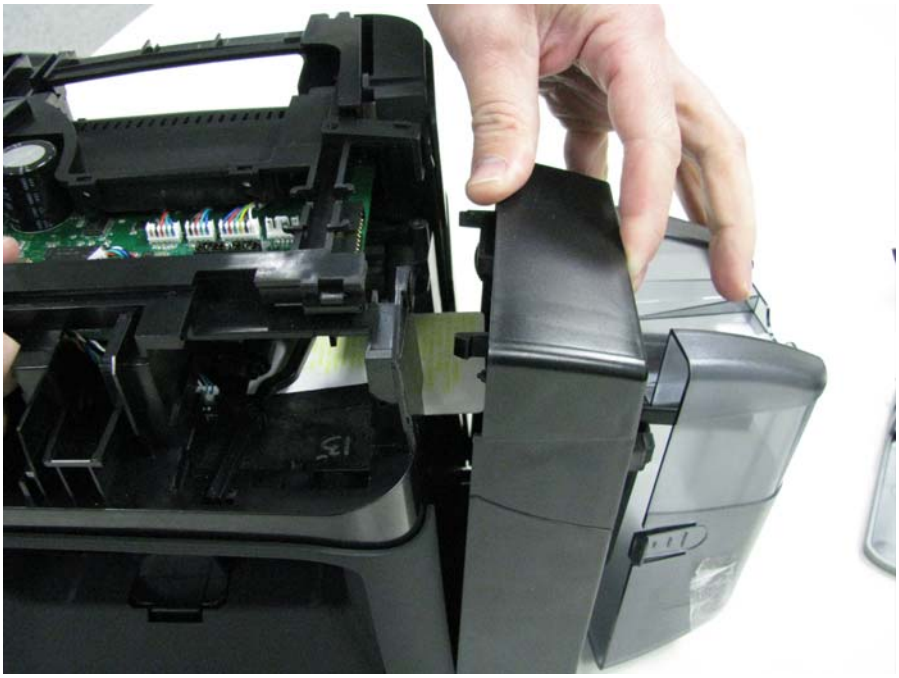
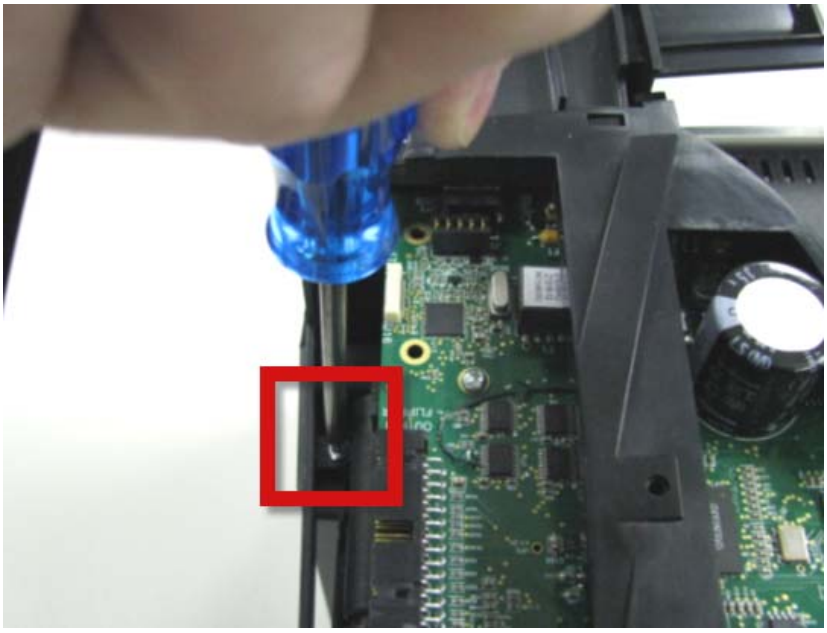
7	Remove the input hopper by tilting back and away from the frame. There are tabs at the bottom that hold the hopper to the frame. 
8	Remove the screw that holds the output cover in place. 

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9	Tilt down and remove the output side cover.
10	Remove the display cover by tilting from the top DOWN. This will unsnap the bottom tabs holding it to the frame.

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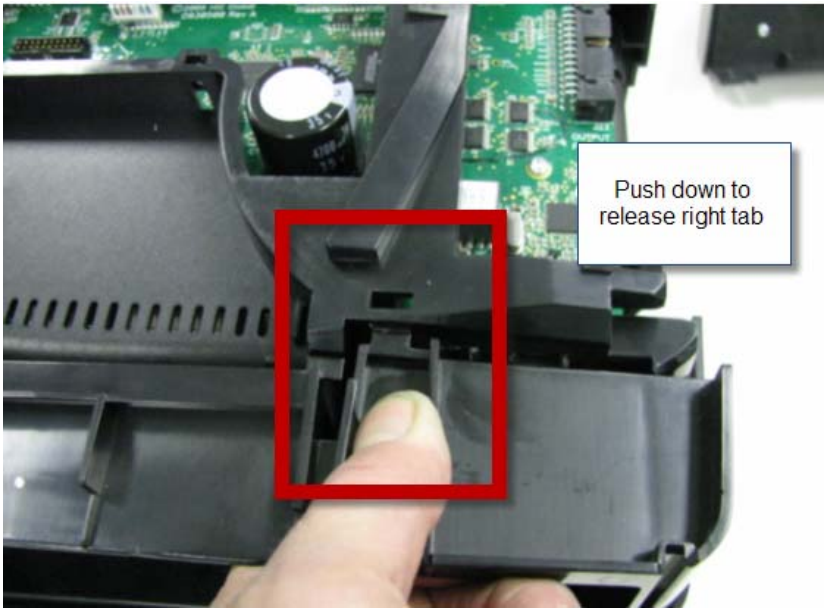
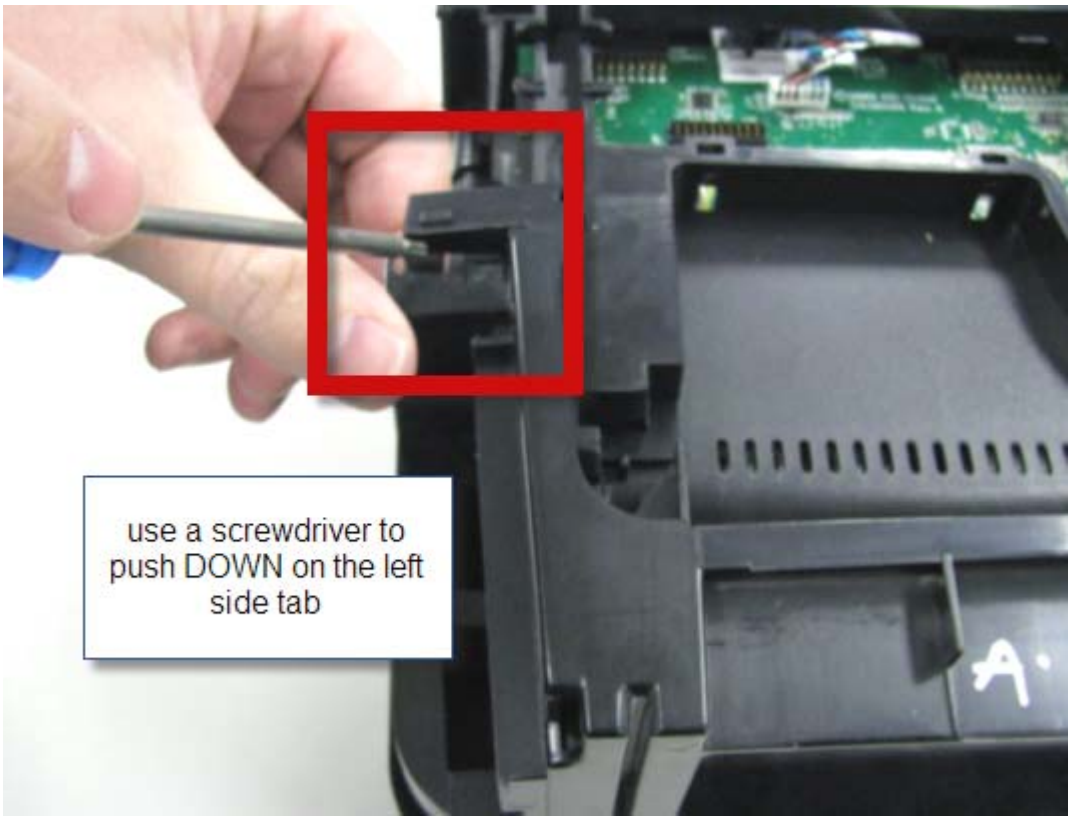
11	Remove the outer back cover by releasing the tabs on the left and right side.   Tilt cover down to release the bottom tabs.

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12	Remove the 2 screws on the bottom left and right side to remove the inner back cover. Left Side Right Side
13	Lift UP the bottom of this cover to release the upper tabs that hold the cover to the frame.
14	Procedure complete. DTC4500 Printer with covers removed.
15	Reverse assembly instructions for replacing the covers.

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DTC4500 Lamination Module Cover Removal

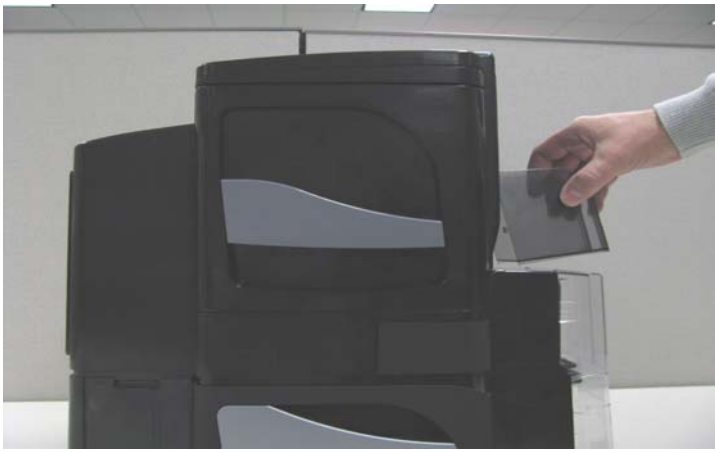
NOTE: Remove the Lamination Module prior to removing the printer covers if repairing the PRINTER. The Lamination Module does not need to be removed in order to repair the Lamination Module.

Tools needed: T10 Torx screwdriver

Estimated Repair Time: 15 minutes

Preparation:

Important: This procedure can only be performed by authorized service personnel.

Step	Procedure
1	Caution: Turn OFF the Printer and unplug the power cord from the Printer.
2	Remove the card output bin (D930296) . 
3	Lift up from the bottom to release and remove the Input Bump Cover (D930292)

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4	Remove the 2 screws that hold the top in place.

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5	Lift up the Top Cover (D930294) to unsnap it from the module.
6	Unsnap to loosen the 2 side tabs located on either side of the Lam Input Cover (D930290) (It is not necessary to remove the Lam Input assembly to remove this front plate.)

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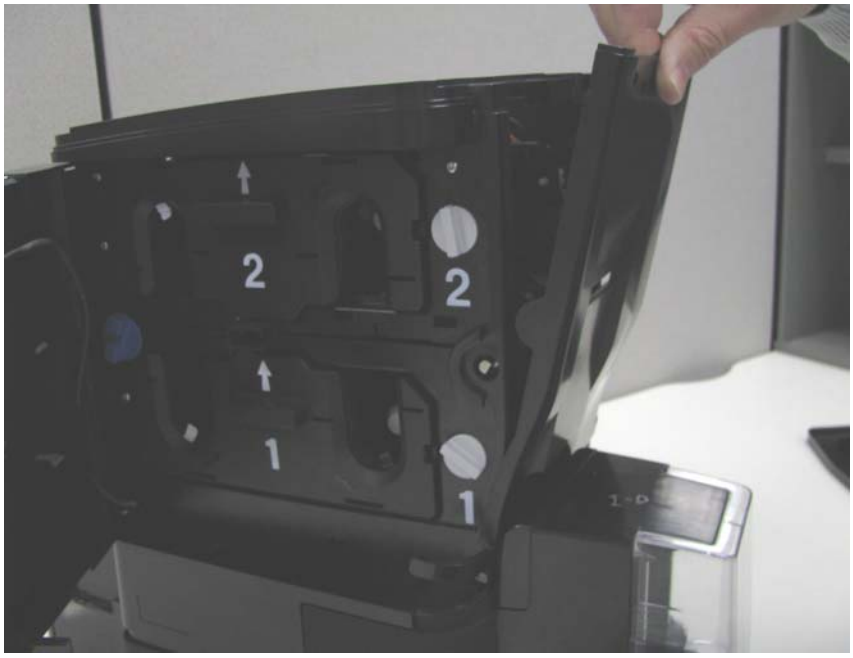
7	Tilt the Lam Input Cover outward and slide UP to remove. 
8	Unsnap the Lam Back Cover (D930293) side panel from the bottom and lift up to remove.

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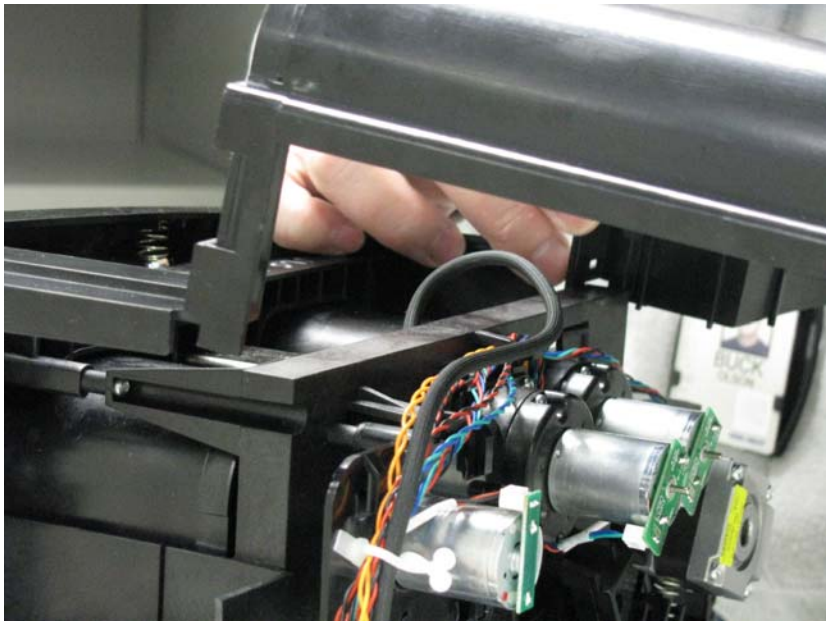
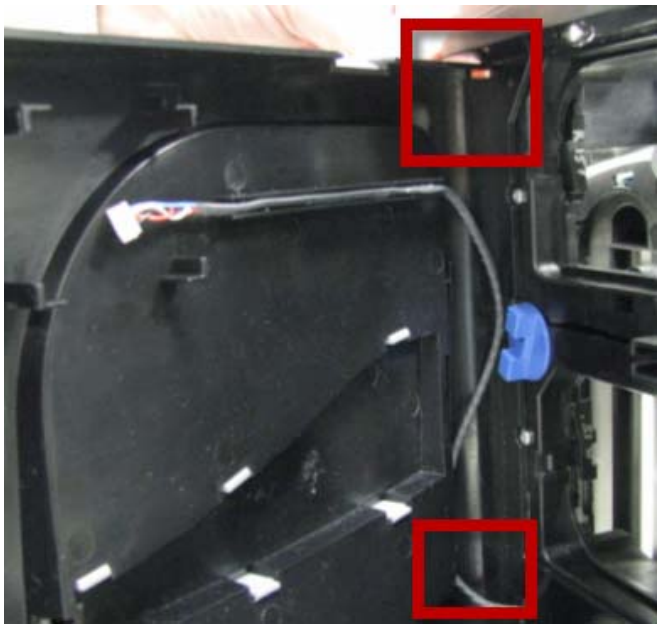
9	Carefully unsnap the Lam Back Cover panel from the top frame. Make note of the latches holding these together when replacing it. 
10	Remove the Front Lam Door Cover (D930291) by flexing the door IN, this releases the top and bottom pins holding ithe door to the frame. 

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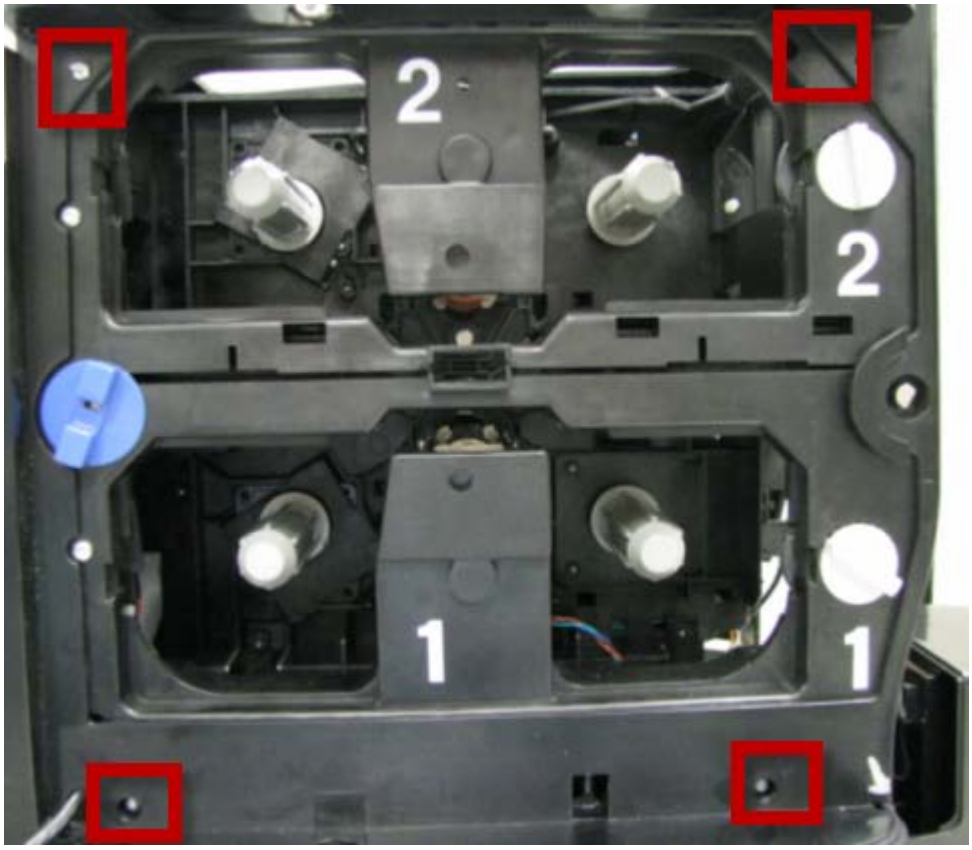
11	Remove the 4 screws that hold the Front Lam Cover (D930289) to the frame. 

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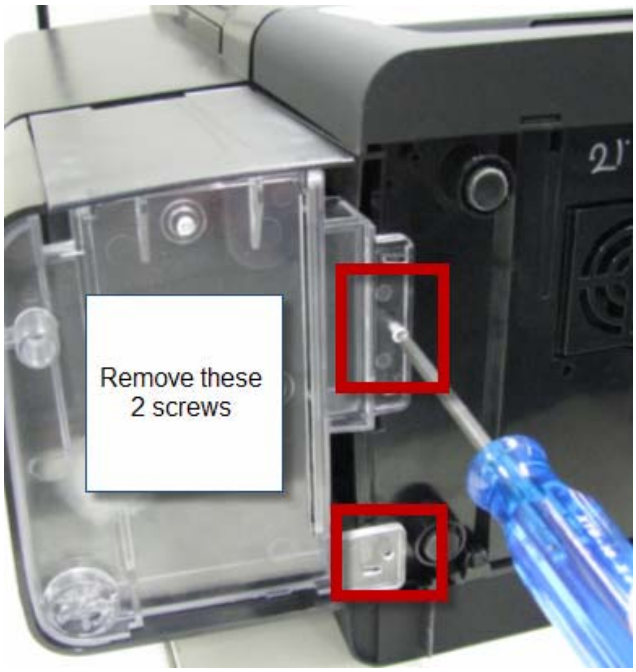
Complete Lamination Module Removal

1	If the lamination module needs to be removed from the printer completely then turn the printer over and unscrew the 2 screws that attach the Lamination Module to the printer. 
2	Set the printer upright and move to the edge of the table. Unclip the tabs from below and move the module outward. This will release the PCB connection within the door. **Note:** When replacing the module carefully line up the PCB connection, push the module onto the printer base to connect the PCB. Do not force or bend pins.
3	Procedure is complete. Reverse assembly to reinstall the Lamination Module.

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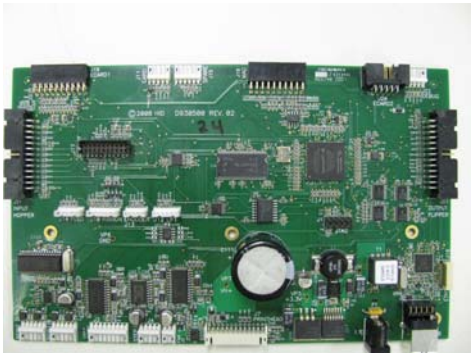
Parts Replacement- Printer

Remove/Replace the Mainboard (D930500)

	**Tools needed:** T10 Torx screwdriver **Estimated Repair Time:** 15 min **Preparation:** Remove the Covers **Important:** This procedure can only be performed by authorized service personnel. DTC1000 D930500-03 DTC4000 D930500-02 DTC4500 D930500-01

Step	Procedure
1	Caution: Turn OFF the Printer and unplug the power cord from the Printer.
2	Remove the covers to access the mainboard. LINK to Covers procedures. Remove all the wire connections from the Mainboard.
3	Remove the 2 screws (F000178) shown. The center open hole is for the frame peg.

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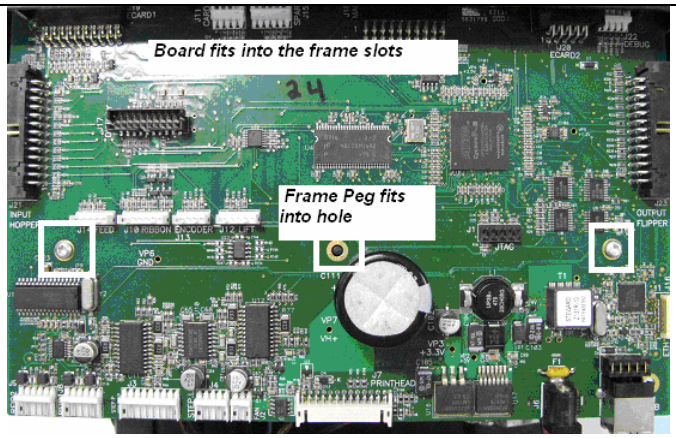
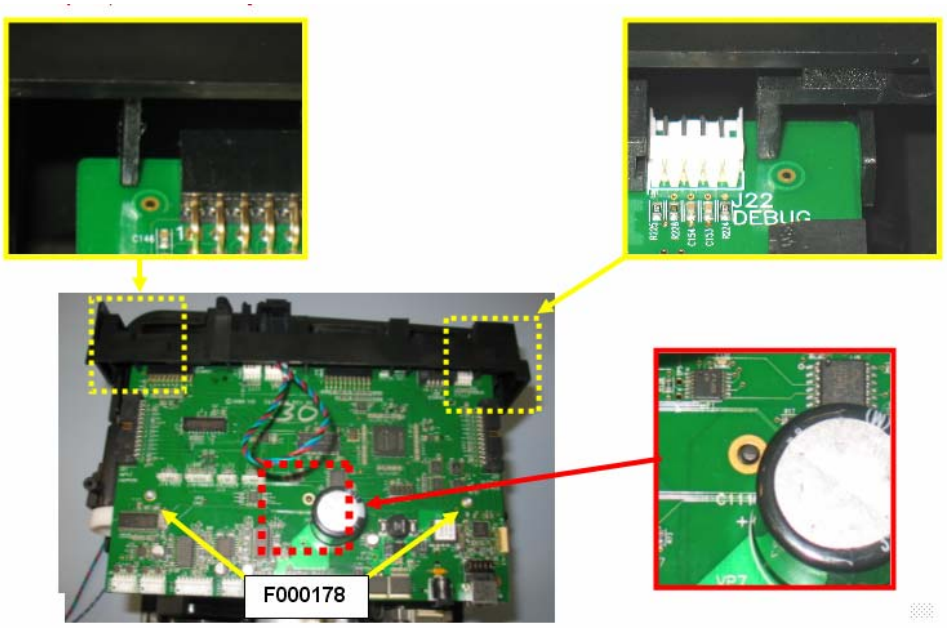
	
4	Slide board out. 
5	Install new board and reconnect all wires. Wires are labeled for location connection.
6	Procedure is complete.

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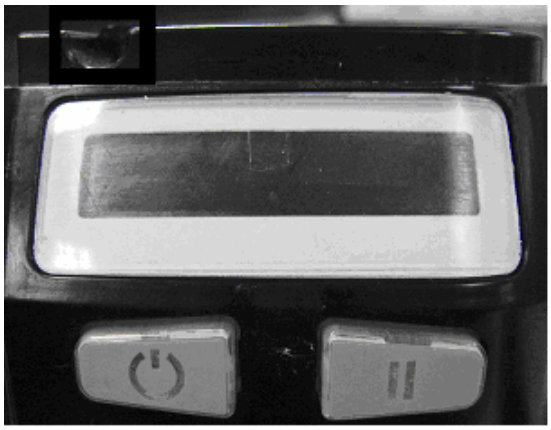
Remove/Replace the LCD Display Assembly (D930507)

The same procedure is used for either orientation of the LCD Display.



Tools needed: T10 Torx screwdriver

Estimated Repair Time: 10 min

Preparation: Remove Top Cover

Important: This procedure can only be performed by authorized service personnel.

Step	Procedure
1	Caution: Turn OFF the Printer and unplug the power cord from the Printer.
2	Remove the top cover of the printer.
3	Pull forward on the display to un-snap from the bottom of the display. Lift out to remove.
4	Remove the ribbon cable (D930607) from the LCD PCB.
5	Install completed assembly. Do not pinch the cable when replacing. Pull cable taught when replacing.
6	Procedure is complete.

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Remove/Replace the Stepper Motor D930027

OR

Remove/Replace Stepper Belt F000424 (2 used)

OR

Remove/Replace Pulley D900430

Tools needed: T10 Torx screwdriver

E CLIP tool

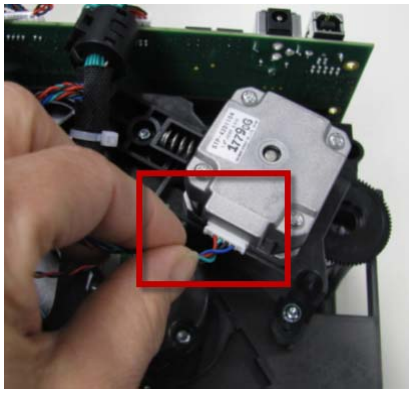
Estimated Repair Time: 30 min

Preparation: Remove the Covers

Important: This procedure can only be performed by authorized service personnel.

Part Number: Complete assembly

D930028

Step	Procedure
1	Caution: Turn OFF the Printer and unplug the power cord from the Printer.
2	Remove Covers.
3	Lay printer on its front. Remove the cable harness (D930600) from the Stepper Motor. 

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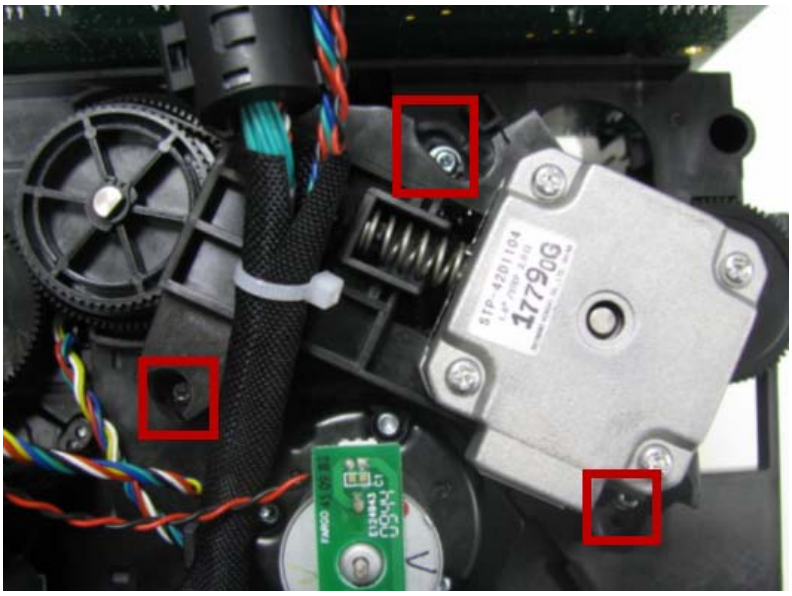
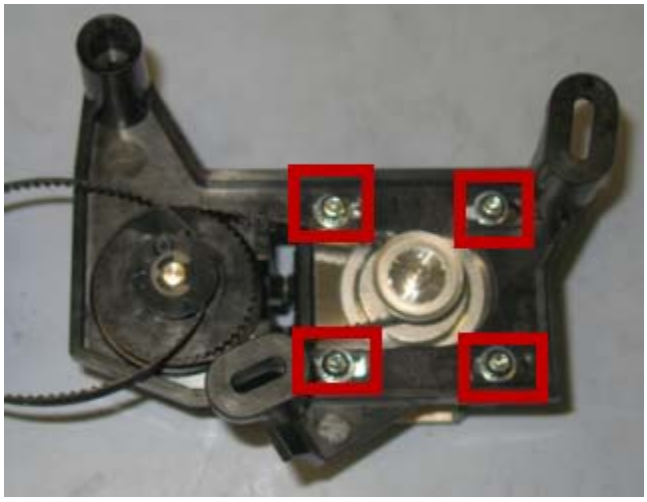
4	Remove the 3 screws that hold the Motor/Mount to the printer frame. (Make note of where the 2 screw/washers go and the one machine screw. Remove the printhead cable for more clearance) The motor is attached to a plastic mounting frame. 
5	Remove the 4 screws that hold the stepper motor to the mount frame. One belt (F000424) will come off of the platen roller pulley/gear (D900429).  (Caution: Spring may pop out. Safety glasses required)

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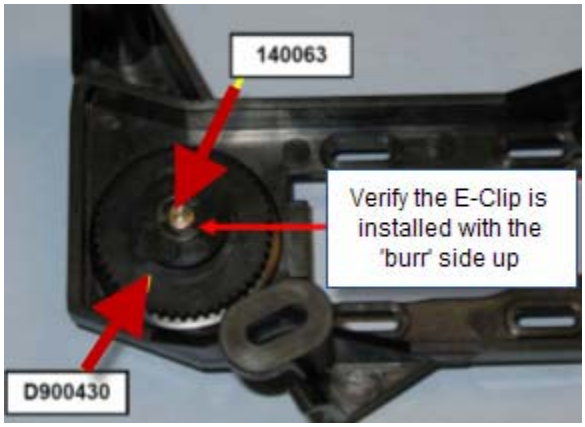
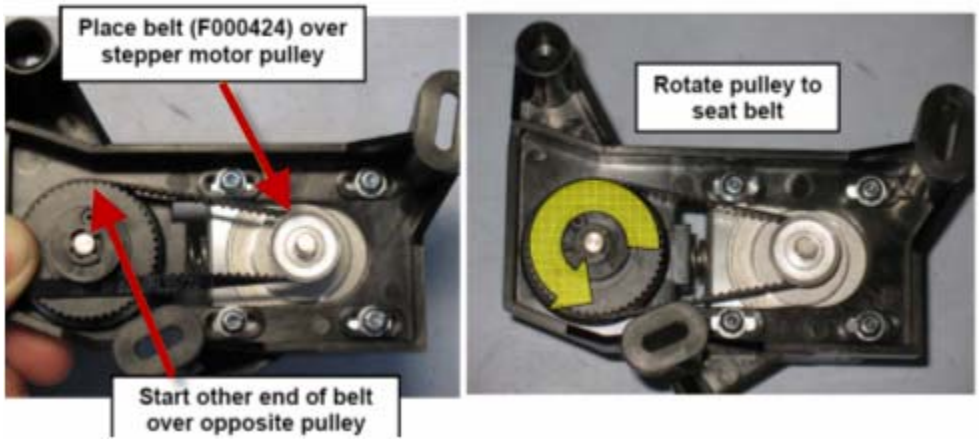
6	If replacing the Pulley D900430 remove the E CLIP (140063). Replace with new Pulley. Re install the E-clip. 
7	Replace the new Motor to the mount frame. Make sure Spring (F000332) gets put back into proper place
8	Install the belt (F000424) 

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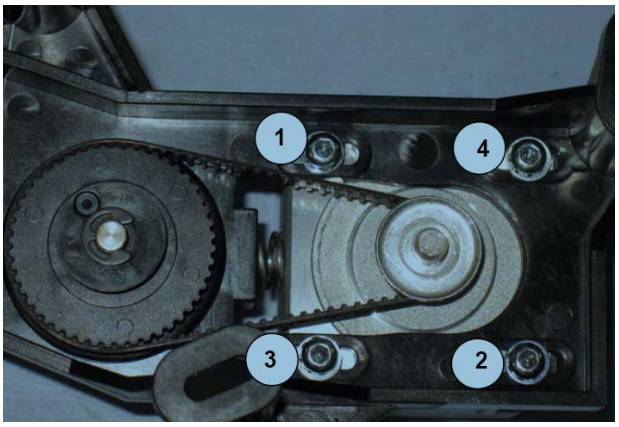
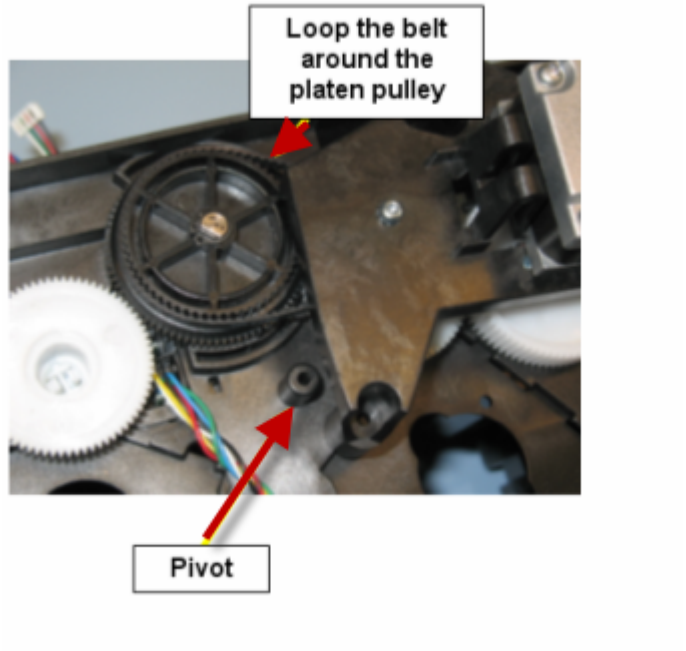
9	This Stepper Motor Mount provides a self tensioning feature. Keep the four (4) screws loose while holding the Mount Frame. Allow the spring to self-tension, then tighten the four (4) screws. 
10	Install belt on stepper motor assembly and then loop the belt w/stepper drive assembly around the platen roller shaft gear. Place the Stepper Mount over the pivot peg. 

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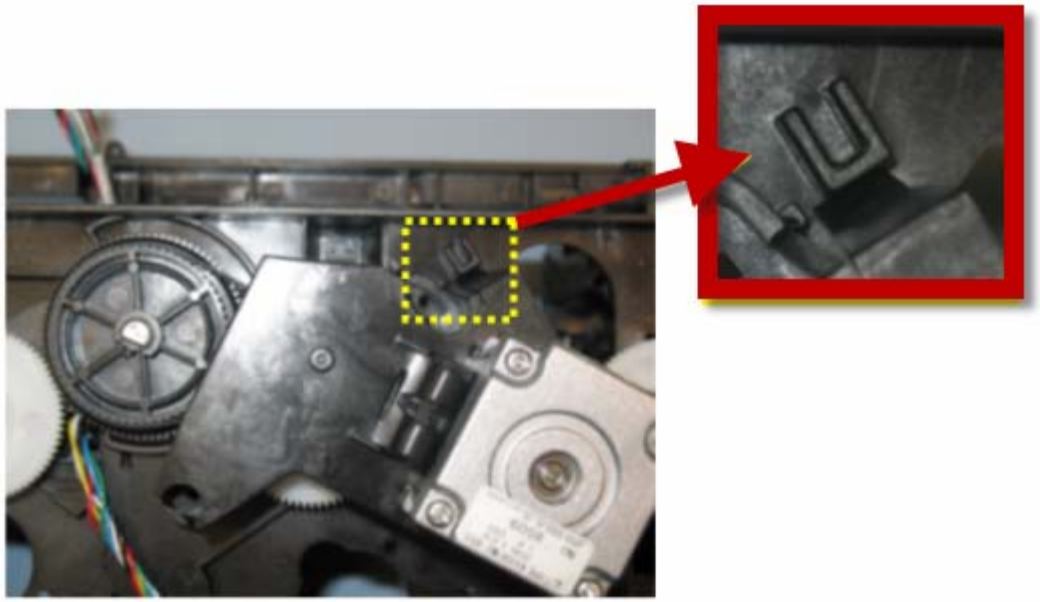
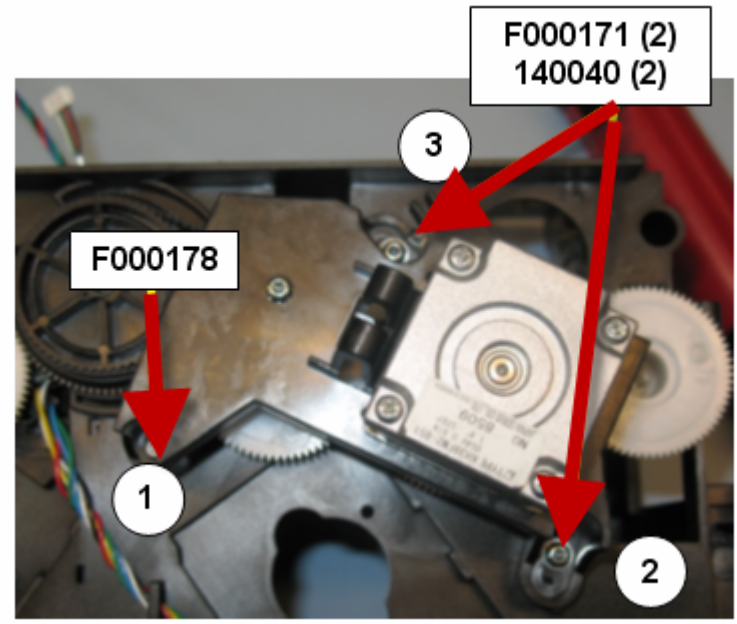
11	Fit the Mount behind the tab on the printers side plate frame. This locks the mount in place. 
12	Secure the stepper drive assembly with 2 screws (F000171) with 2 washers (140040), and one screw (F000178) at the specific locations shown. NOTE: Lightly tighten all screws first then tighten the (F000171) screws last. 

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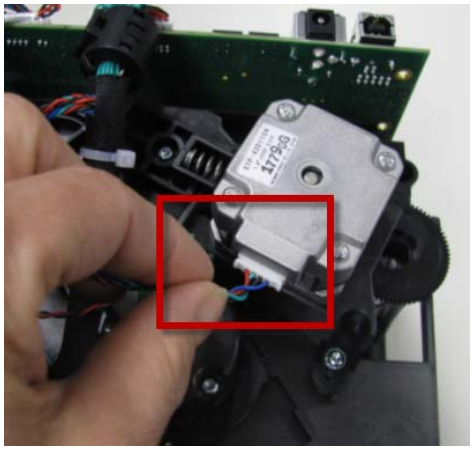
13	Plug motor cable back in.  Replace the printhead cable if it was removed in step 4.
14	Procedure is complete.

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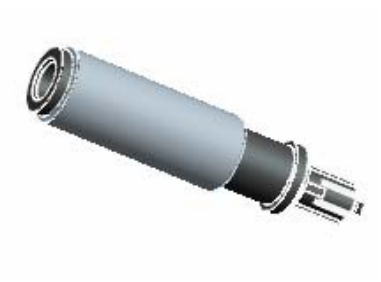
Remove/Replace the Mag Roller (D930122)

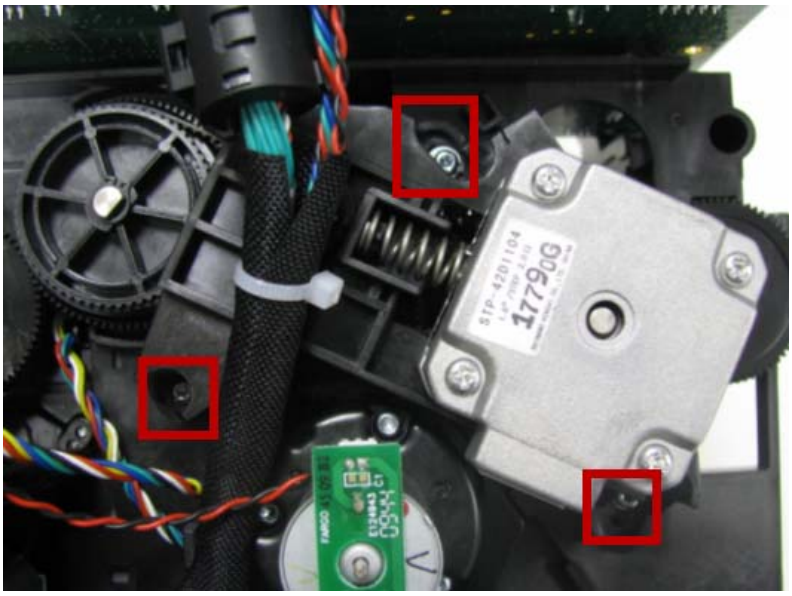


Tools needed: Small flat screwdriver, T10 Torx screwdriver

Estimated Repair Time: 20 min

Preparation: Remove the Covers

Important: This procedure can only be performed by authorized service personnel.

Step	Procedure
1	Caution: Turn OFF the Printer and unplug the power cord from the Printer.
2	Remove the Stepper Motor Assembly (D930028) Remove the 3 screws that hold the Motor/Mount to the printer frame. (Make note of where the 2 screw/washers go and the one machine screw. Remove the printhead cable for more clearance.) The motor is attached to a plastic mounting frame. 

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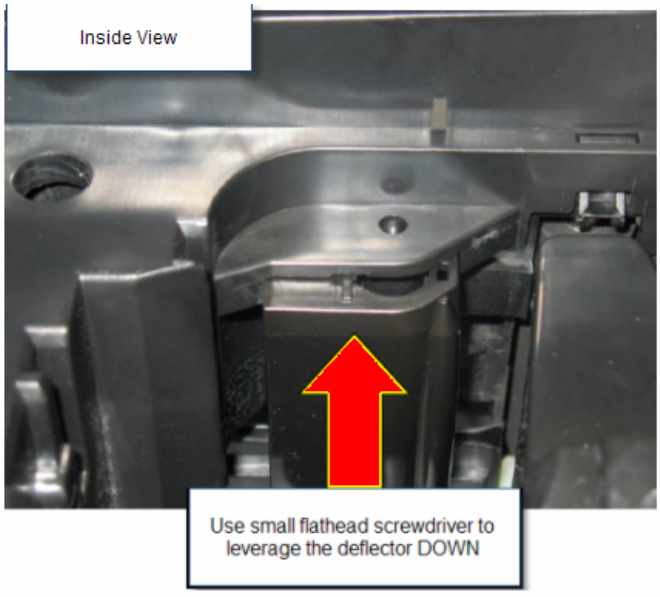
3	Remove the Mag Roller Gear (D930124) by pulling out.
4	Remove the Ribbon Deflector Plate (D930129) to access the Mag Roller. Release the tabs that hold the plate in place. 

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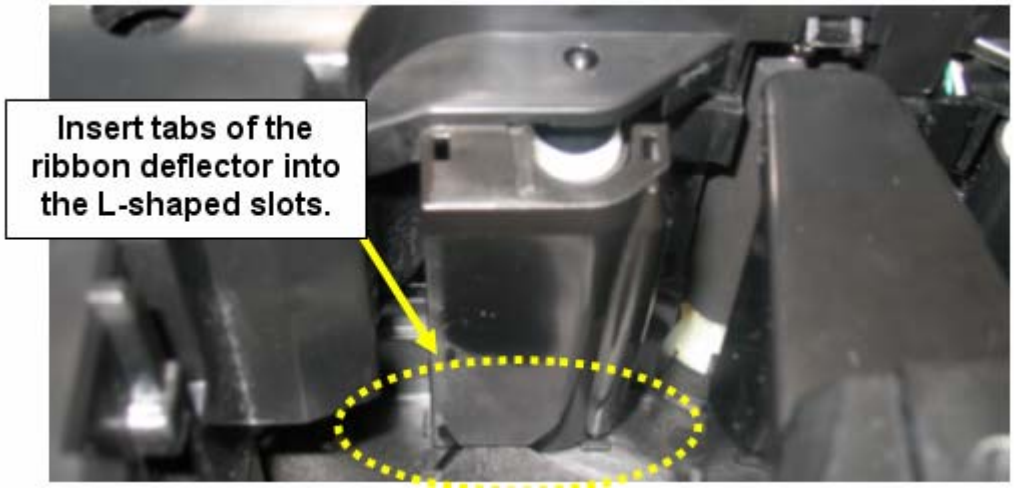
5	Pull the Mag Roller out from the front side of the printer.
6	Replace with the new roller. Install the Mag Gear from the back to hold the roller in place. Make sure roller sits in front tab(hidden) in front sideplate. Make sure tabs line up and snap into place. Wiggle in place.
7	Install the Ribbon Deflector Plate. 
8	Re-install stepper motor assembly (refer to Stepper Motor D930028 procedure)
9	Procedure is complete.

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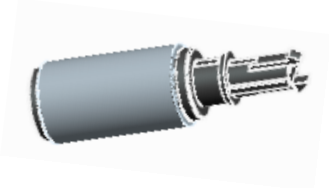
Remove/Replace the Output Roller (D930123)

OR

Remove/Replace Pinch Roller-spring (D900013-F000338)



Tools needed: T10 Torx screwdriver

Estimated Repair Time: 15 min

Preparation: Remove the Covers

Important: This procedure can only be performed by authorized service personnel.

Step	Procedure
1	Caution: Turn OFF the Printer and unplug the power cord from the Printer.
2	Remove the Output Roller Gear (D930124) by pulling straight out. No need to remove the Stepper Motor Assembly.

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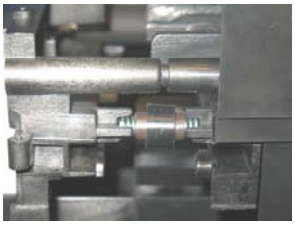
3	Flip printer on front remove Roller (D930123) Pull straight up and out
4	Replace with new roller and replace the gear onto the roller. Procedure completed.
5	Remove the output roller first and then remove the Pinch Roller Use a small flathead screwdriver to release the spring (F000338) and the Pinch Roller (D930013). Replace with new roller. 
6	Reverse assembly to reinstall parts.
7	Procedure is complete.

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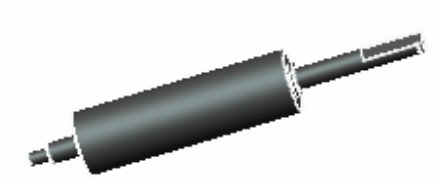
Remove/Replace the Platen Roller (D930120) & Pulley/Gear (D900429)

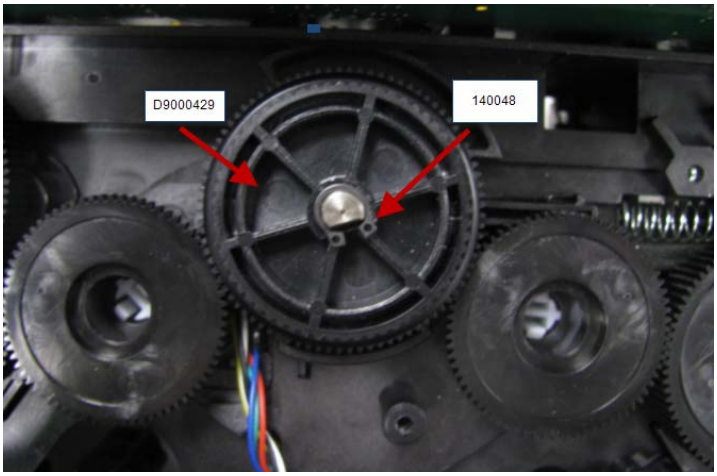


Tools needed: T10 Torx screwdriver

Estimated Repair Time: 45 min

Preparation: Remove the Covers

Important: This procedure can only be performed by authorized service personnel.

Step	Procedure
1	Caution: Turn OFF the Printer and unplug the power cord from the Printer.
2	Remove the Stepper Motor Assembly (E000062)
3	Remove the E Clip (140048) and the pulley/gear(D900429)  Remove washers from shaft. (Replace the gear if necessary)

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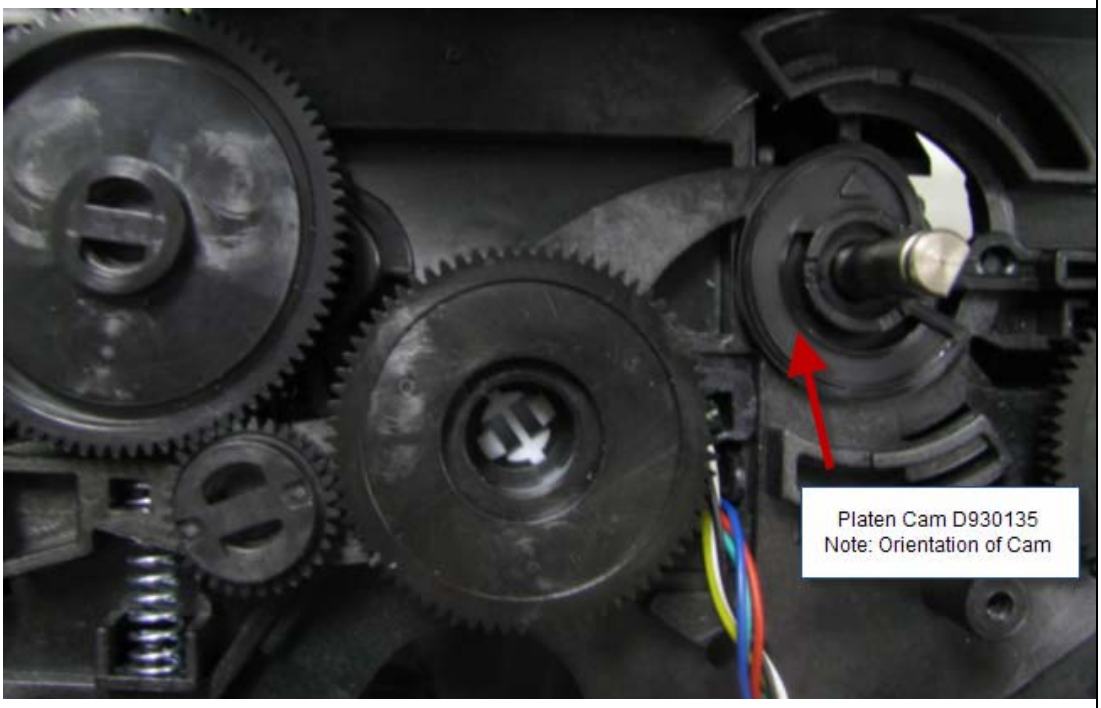
4	Turn the twist lock Bushing-Twist Lock (D930178) counter clockwise to unlock and lift up. It is not necessary to remove the surrounding gears.
5	Remove the Platen Cam (D930135). Rotate cam clockwise to remove. Pull off of the Platen Roller Shaft. 
6	Remove the print head assembly if better access is needed. See Printhead removal procedure.DTC1000-DTC4000-DTC4500 Printhead procedure

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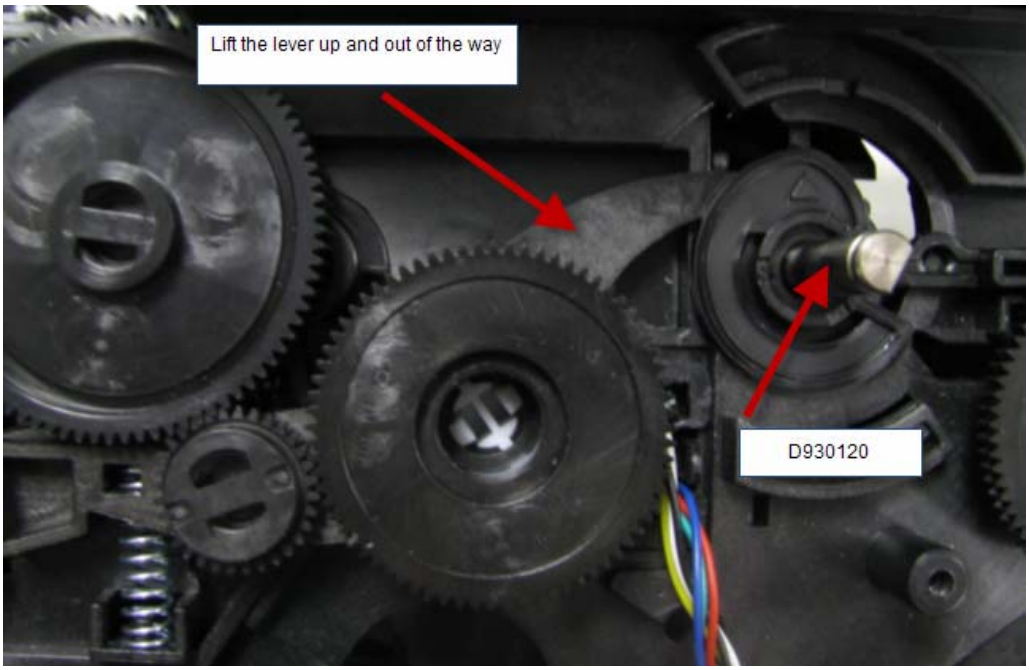
7	Move the lever up to clear the Platen Roller (D930120) 
8	Replace with new roller.
9	Reverse assembly to reinstall parts.
10	Procedure is complete.

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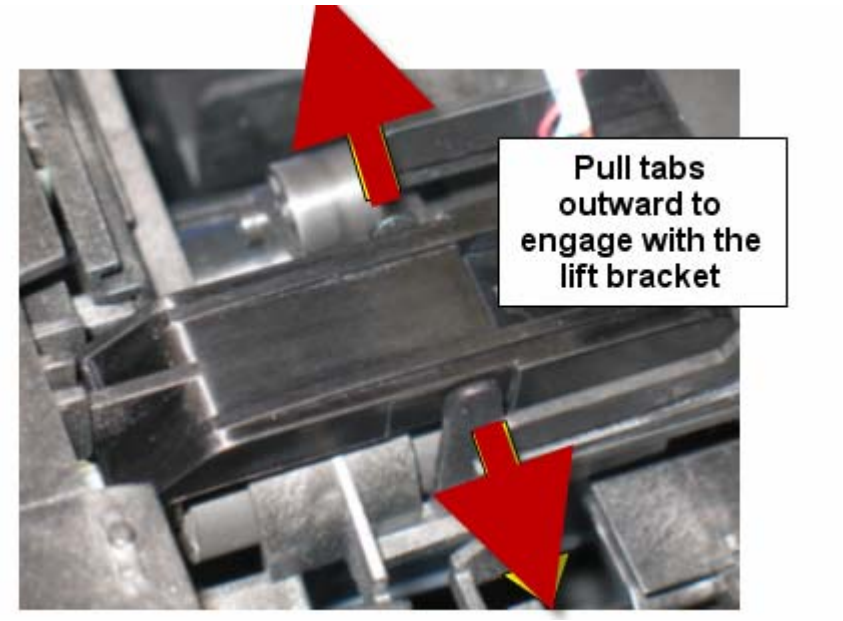
Remove/Replace the Lift Pinch Roller Assembly (D930137)

OR

Remove/Replace Pinch Lift Bracket (D930136)

D930137 D930136	**Tools needed:** T10 Torx screwdriver **Estimated Repair Time:** 20 Min **Preparation:** . Remove the Covers **Important:** This procedure can only be performed by authorized service personnel.

Step	Procedure
1	Caution: Turn OFF the Printer and unplug the power cord from the Printer.
2	Remove the mainboard (D930500)
3	Pull the tabs apart on the Bracket (D930136) to release. Lift up and out. 

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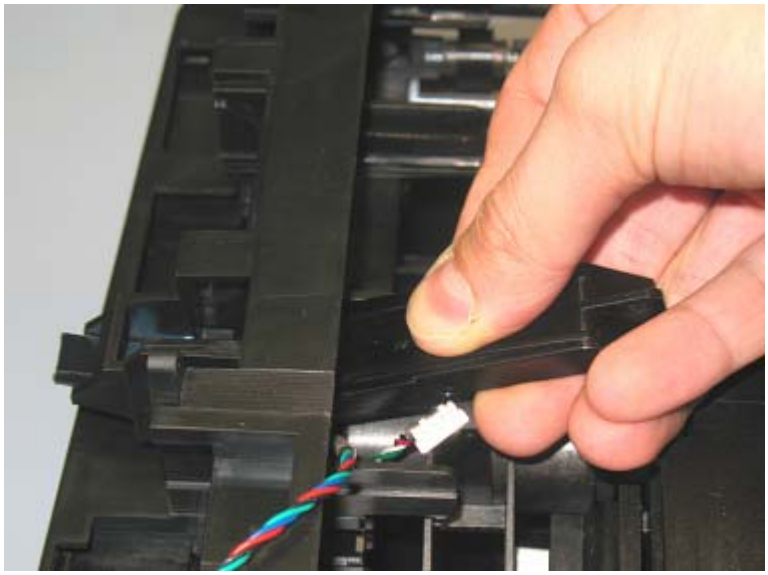
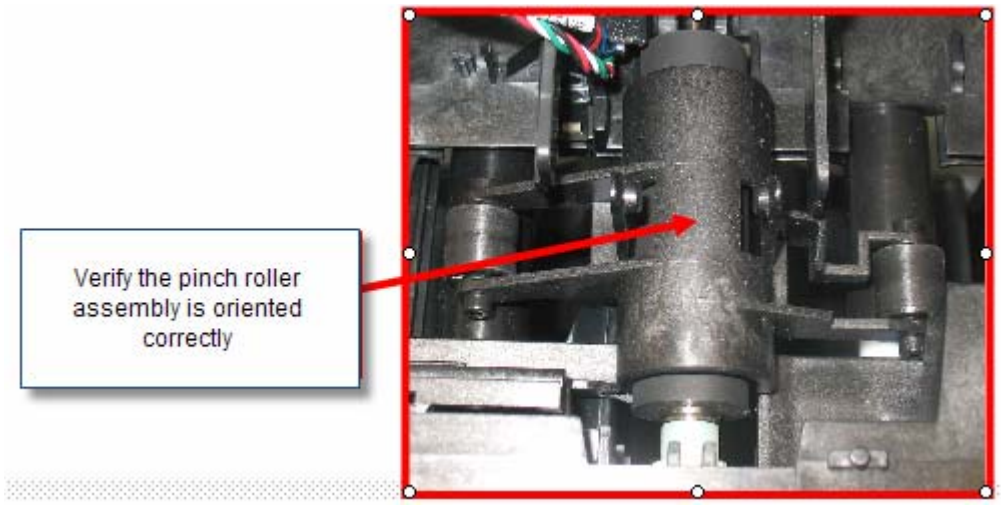
4	Rotate the Lift Bracket (D930136) with the spring (D930266) upwards to disengage the hinge. 
5	Lift out the Pinch Roller Bracket (D930137). NOTE: Verify orientation when re installing. 
6	Replace with new Platen Roller. Lock platen with cam first into the front sideplate.

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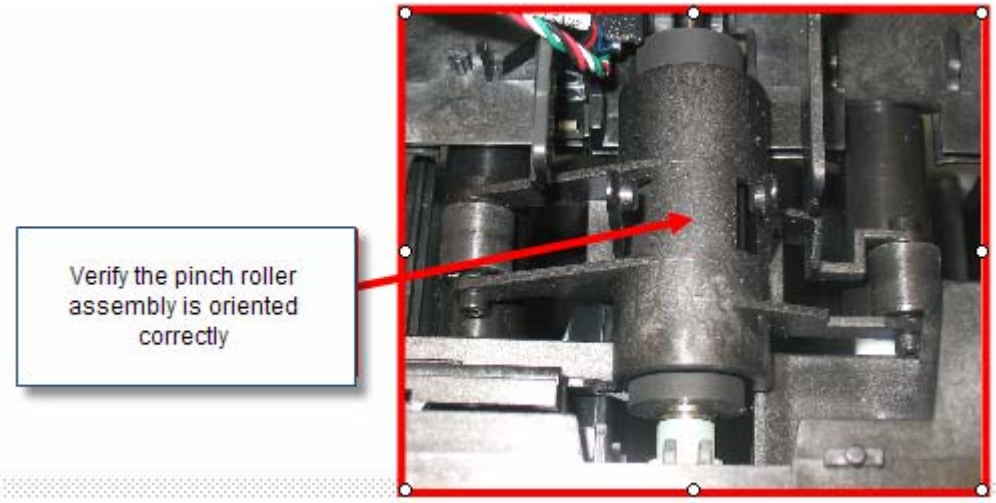
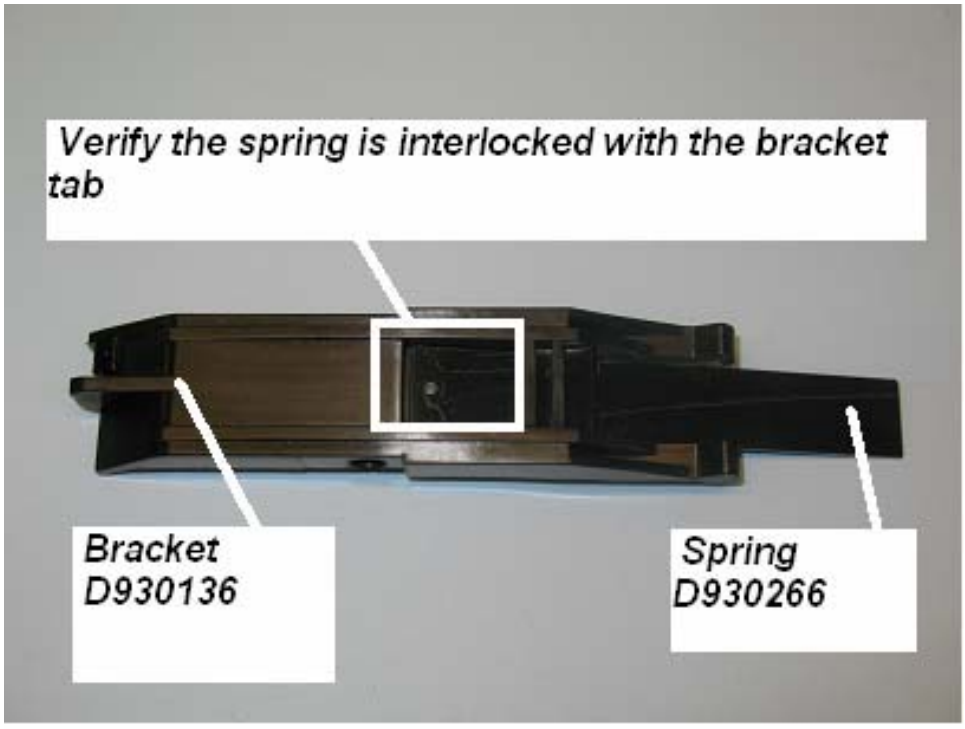
7	To reinstall the Pinch Roller Assembly: a. Verify orientation of the Pinch Roller Assembly  b. Connect the spring to the bracket. 

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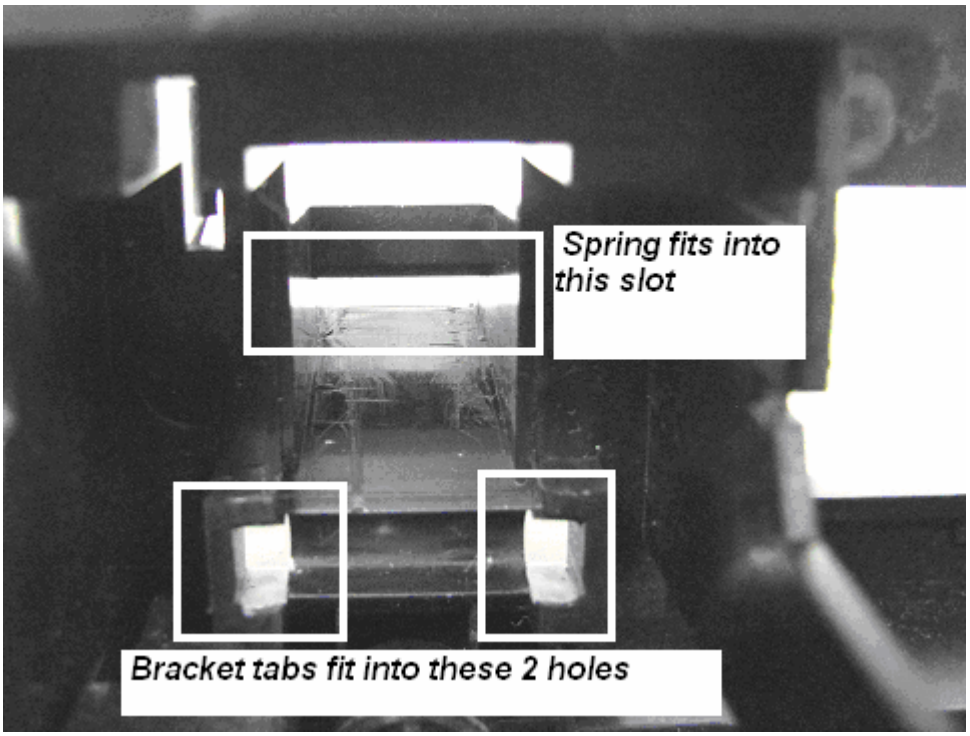
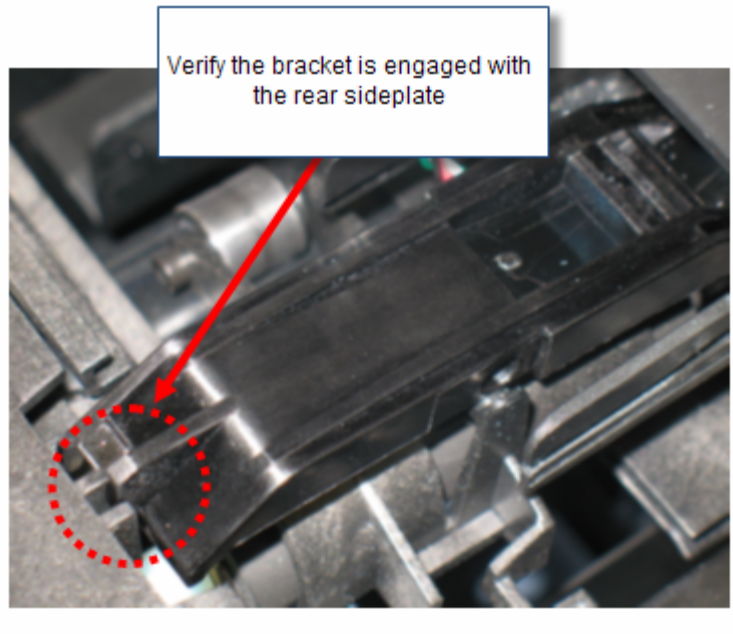
c. Insert the Bracket tabs into the holes provided in the sideplate frame.



d. Tilt the spring upward and fit in to the slot provided. Some force is needed to snap the spring and tabs in place.

e. Click the Bracket into the frame.



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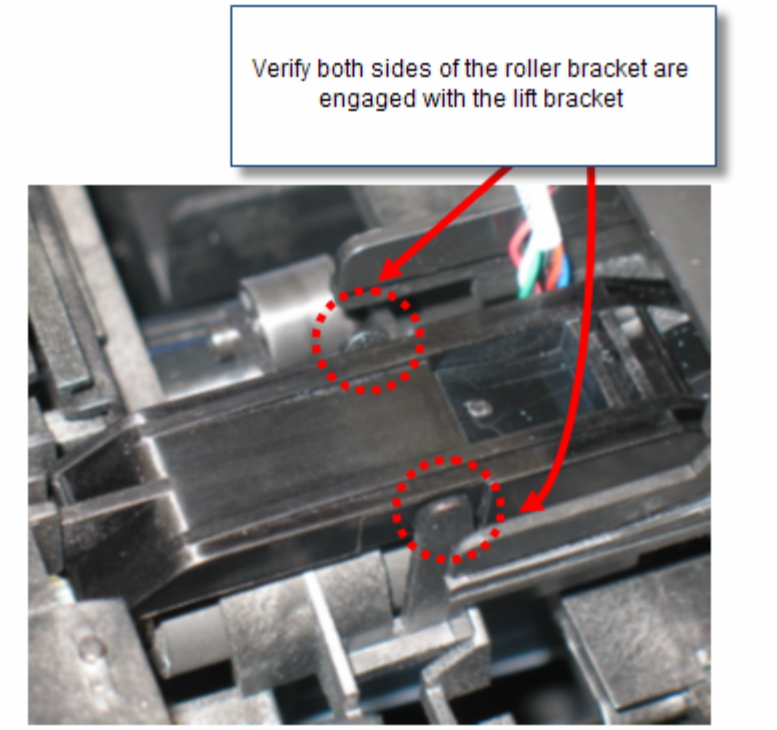
f. Snap the Roller Bracket tabs to the Lift Bracket.



g. Procedure is complete.

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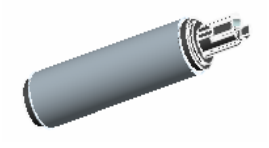
Remove/Replace the Cleaning Roller (D930121)

OR

Remove/Replace Input Feed Lever (D930132)

OR

Remove/Replace Input Lever Gear (D930164)



D930121

Tools needed: T10 Torx screwdriver

Estimated Repair Time: 30 min

Preparation: Remove the Covers

Important: This procedure can only be performed by authorized service personnel.

Step	Procedure
1	Caution: Turn OFF the Printer and unplug the power cord from the Printer.
2	Remove the ribbon supply assembly.
3	Remove the mainboard (D930500)
4	Remove the Cleaning Roller Gear (D930124)

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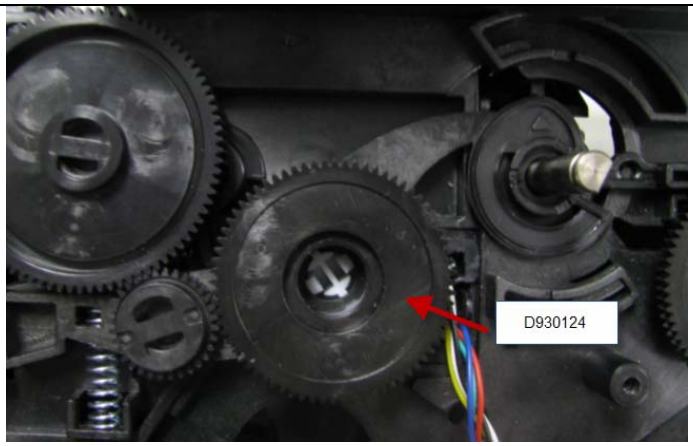
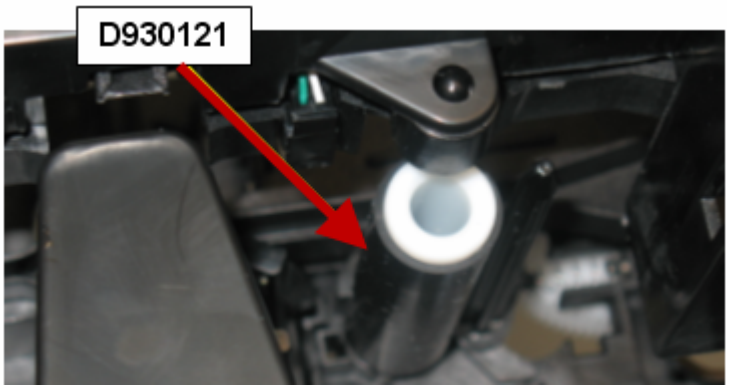
	
5	Remove the stepper motor assembly and belt (D930028)
6	Remove the pulley (e-clip) and washers.
7	Remove platen cam rotation. Locking bushing.
8	Remove the Lever. Be careful not to lose the spring. NOTE: How the spring is set into the pegs. The gear will pull straight out.
9	From the front of the printer release the cleaning roller from the peg by pushing all the way back and dropping the roller. 
10	Replace with new roller.
11	Insert the Spring into the upper and lower pegs. Install the Lever then the Gear. Turn the black platen gear to verify the gears turn simultaneously.
12	Reinstall cam, locking bushing, stepper motor, ribbon supply assembly.
13	Procedure is complete.

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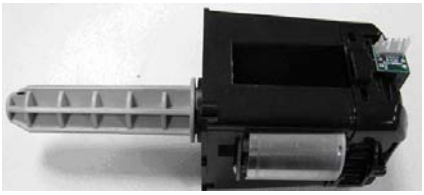
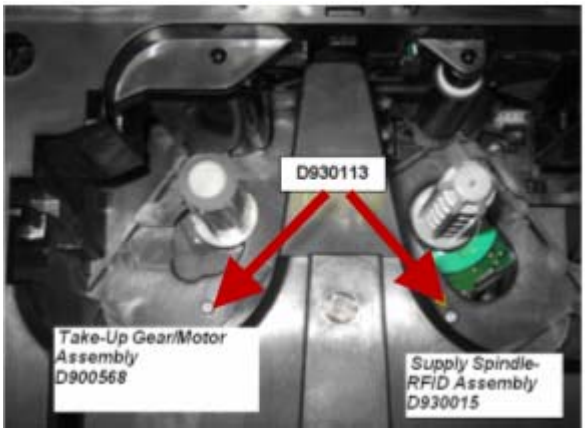
Remove/Replace Supply Spindle RFID Motor (D930015) DTC4500

 D930115	**Tools needed:** T10 Torx screwdriver **Estimated Repair Time:** 15 min **Preparation:** Remove the Covers **Important:** This procedure can only be performed by authorized service personnel.

Step	Procedure
1	Caution: Turn OFF the Printer and unplug the power cord from the Printer.
2	Remove the screw D930113 from the motor assembly. This is done from the front of the printer.  **NOTE:** DTC1000/4000 will have 2 screws holding the Supply. DTC4500 has only one screw holding the supply.

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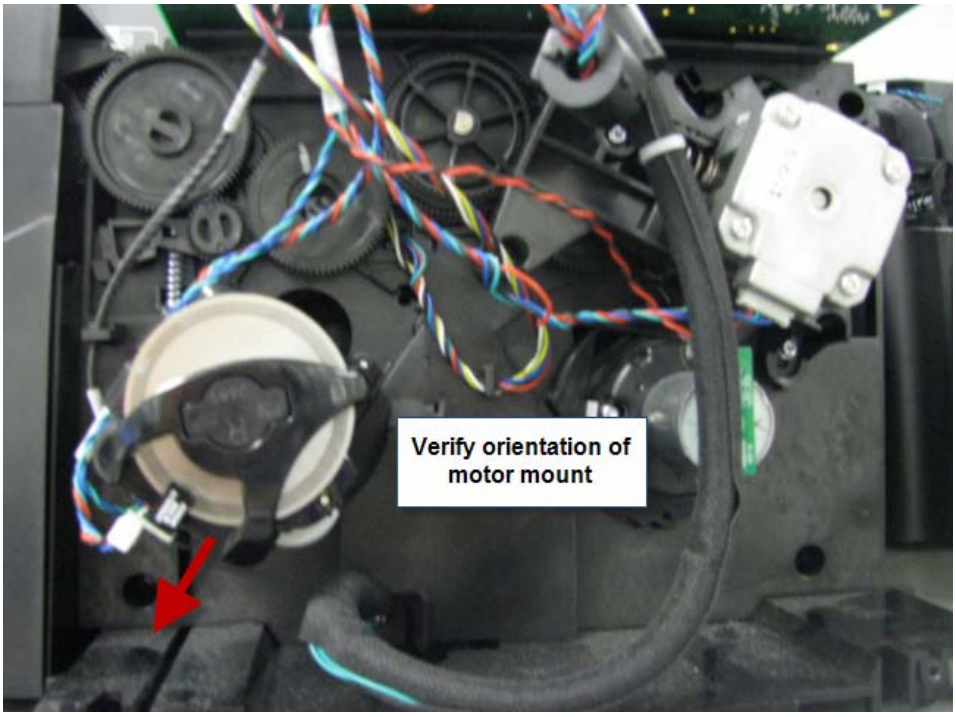
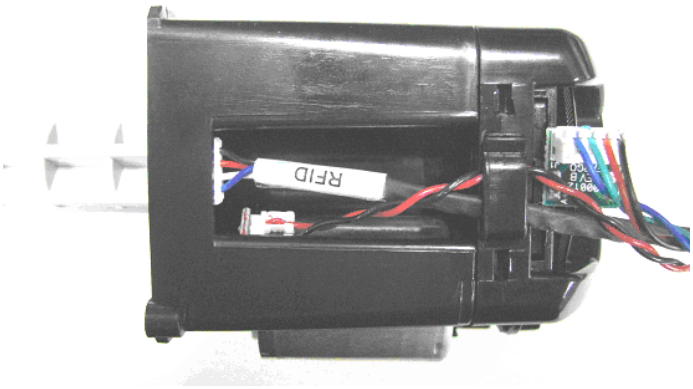
3	Slide the Supply Spindle DOWN To release. Slide the Motor UP to install. NOTE: You do not need to remove the gears or the Stepper Motor for this procedure. 
4	Remove the RFID cable (D930603) from the Supply Spindle. Remove the Encoder Sensor cable harness (D930600) from the encoder sensor. NOTE: The routing of these wires under the clip. 

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5	Replace the complete assembly Motor. Reconnect wires.
6	Procedure is complete.

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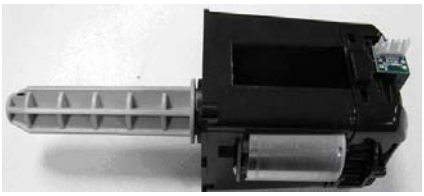
IMPORTANT NOTE ON THE INITIAL RELEASE OF THE DTC1000 OR DTC4000 CARD PRINTERS.

Remove/Replace Supply Spindle RFID Motor (D930015) DTC1000/4000

NOTE:. The Spindle must be removed first then the motor can be removed.



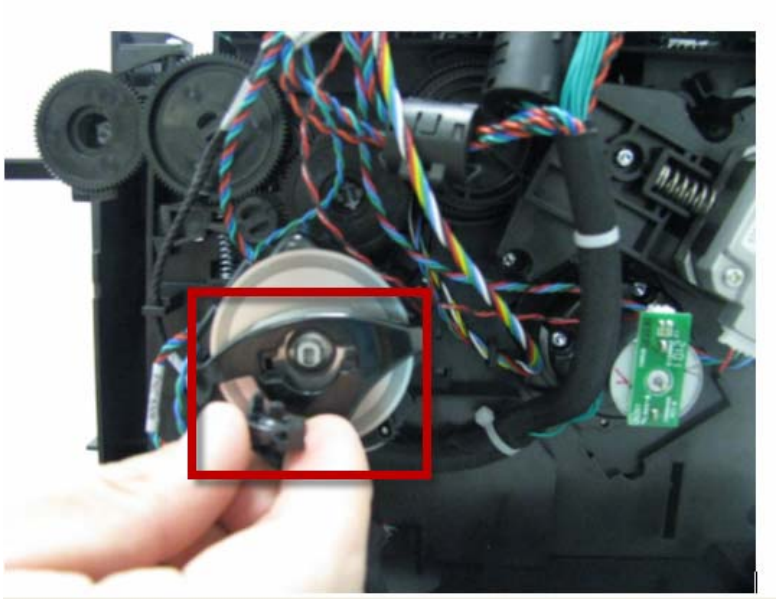
D930115

Tools needed: T10 Torx screwdriver, small flat screwdriver, needle nose pliers

Estimated Repair Time: 15 min

Preparation: Remove the Covers

Important: This procedure can only be performed by authorized service personnel.

Step	Procedure
1	Caution: Turn OFF the Printer and unplug the power cord from the Printer.
2	Remove the Damper (F000511). Use a small flathead screwdriver to loosen. 

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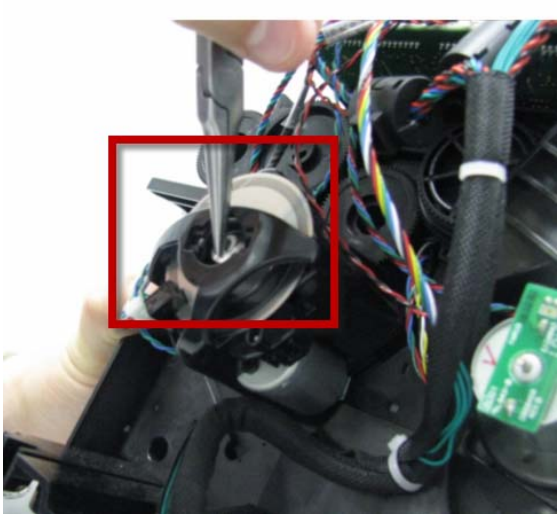
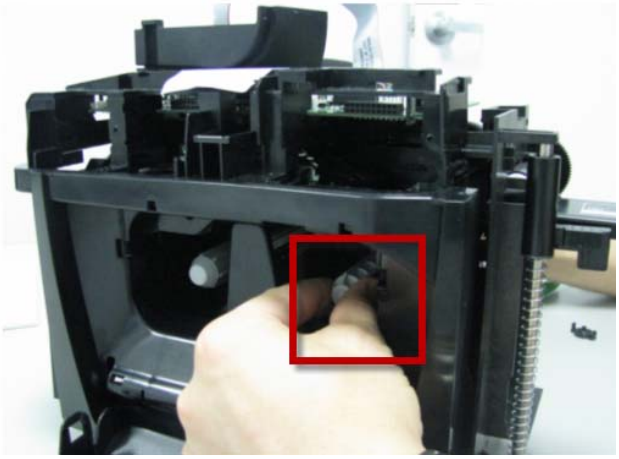
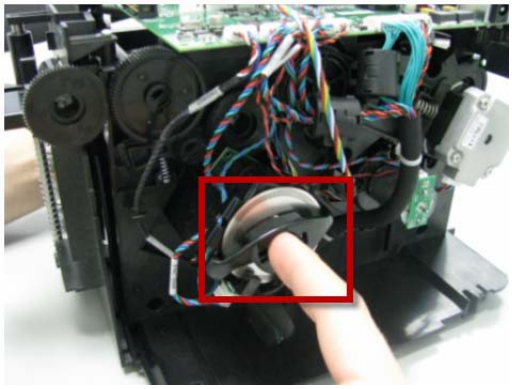
3	Remove the Retaining Ring (F000050). Use a needle nose pliers or thin flat screwdriver. (Careful- it may spring out. The new assembly will contain a new ring.) 
4	Pull the spindle out from the front.  Push the center of the Damper area to help move the spindle out. 

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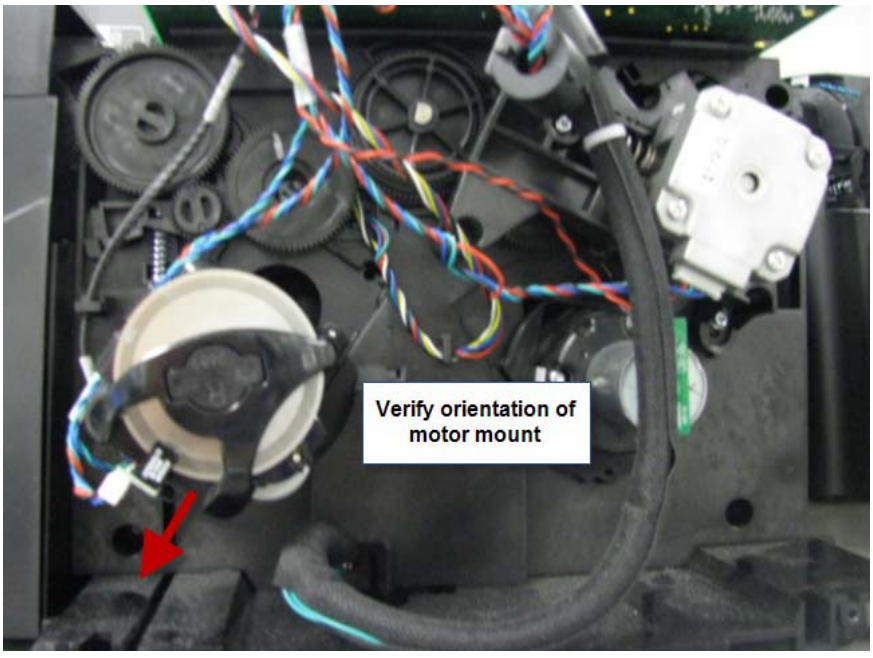
5	Remove the 2 screws (D930113) that hold the motor assembly. This is done from the front of the printer.
6	Slide the Supply Spindle DOWN To release. Slide the Motor UP to install. NOTE: You do not need to remove the gears or the Stepper Motor for this procedure. 

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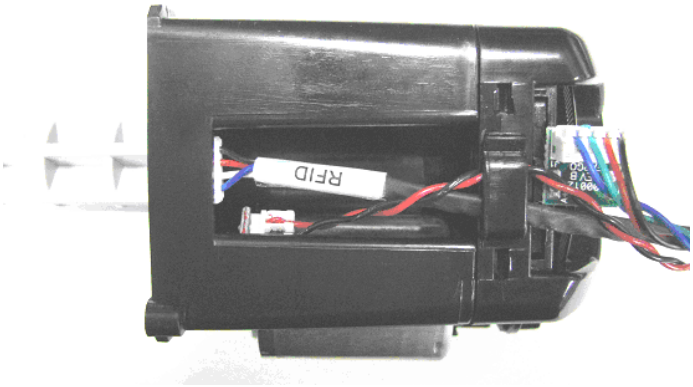
7	Remove the RFID cable (D930603) from the Supply Spindle. Remove the Encoder Sensor cable harness (D930600) from the encoder sensor. NOTE: The routing of these wires under the clip. 
8	Replace the complete assembly Motor. Reconnect wires.
9	Procedure is complete.

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Remove/Replace Ribbon Take-Up Motor (D900568)

D900568

Tools needed: T10 Torx screwdriver

Estimated Repair Time: 15 min

Preparation: Remove the Covers

Important: This procedure can only be performed by authorized service personnel.

Step	Procedure
1	Caution: Turn OFF the Printer and unplug the power cord from the Printer.
2	Remove the screw D930113 from the motor assembly. This is done from the front of the printer.

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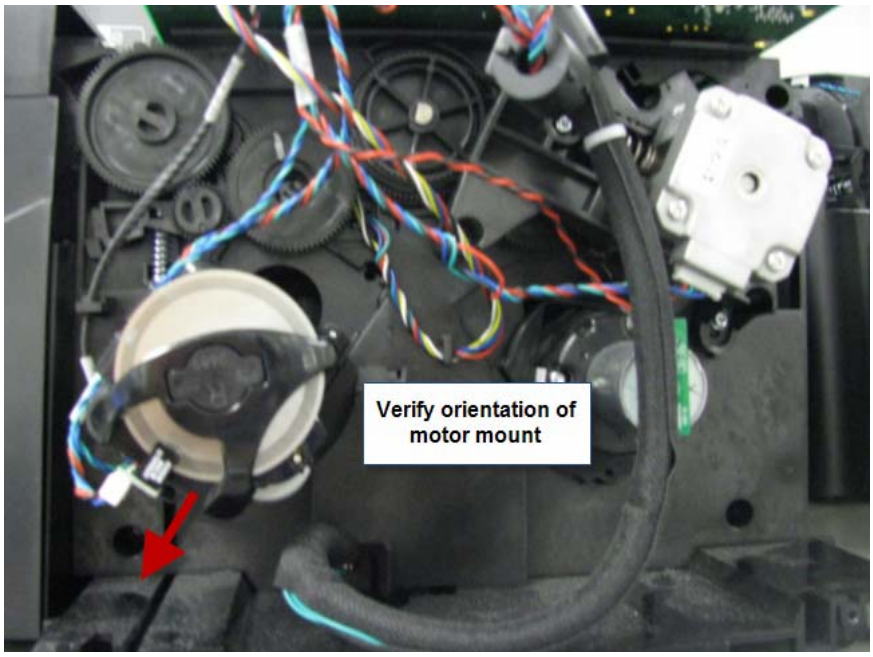
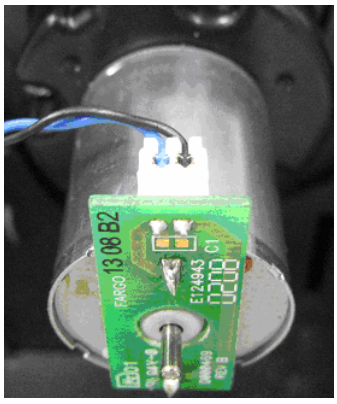
3	Slide the Take-Up Motor DOWN to release. Slide the Motor UP to install. NOTE: You do not need to remove the gears or the Stepper Motor for this procedure. 
4	Remove the wire connection (D930600 harness) from the top of the Take-Up Motor. 
5	Replace the complete assembly Motor.
6	Reconnect wires.
7	Procedure is complete.

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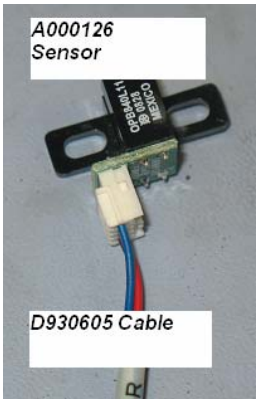
Remove/Replace Encoder Sensor (A000126) for RFID Supply Spindle/ Cable (D930605)

OR

Remove/Replace PCB board (A000365)

NOTE: For any other parts (motor/ encoder wheel) REPLACE COMPLETE ASSEMBLY (D930015).



Tools needed: Torx screwdriver and flat head screwdriver

Estimated Repair Time: 30 min

Preparation: Remove the Covers

Important: This procedure can only be performed by authorized service personnel.

RFID Cable D930603

Encoder Sensor Cable D930605

Step	Procedure
1	Caution: Turn OFF the Printer and unplug the power cord from the Printer.
2	Remove Supply Spindle-RFID assembly. See procedure above (D930015).

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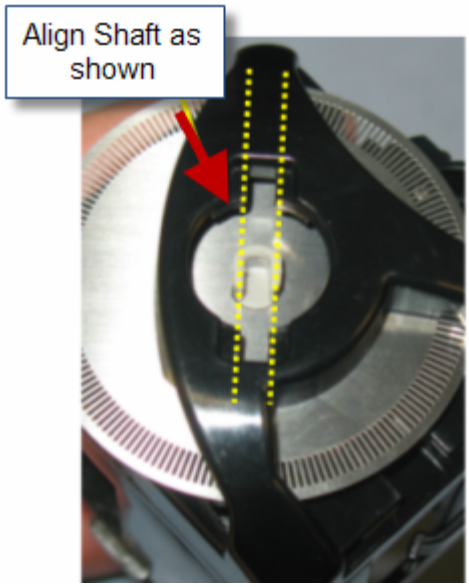
3	Remove the Damper Cap(F000487) Use a thin flathead screwdriver to loosen one side. The cap will pop off. Note: Replace the Damper Cap by lining up the shaft first then snap the Damper Cap back on. Verify the gray shaft is pushed up to hold the encoder wheel in place. 

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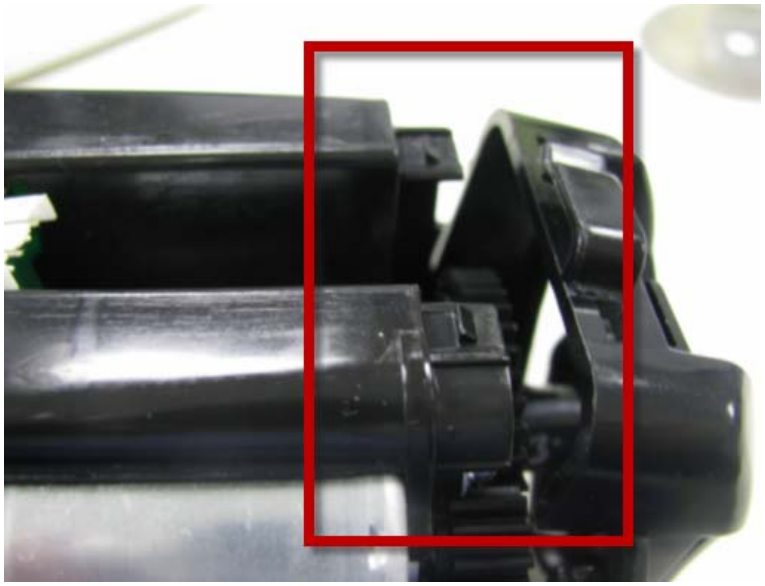
4	Remove the supply cover (D930116) by pulling up from the open end. This will unlatch the tabs holding the cover to the frame. This allows for access to the sensor. 

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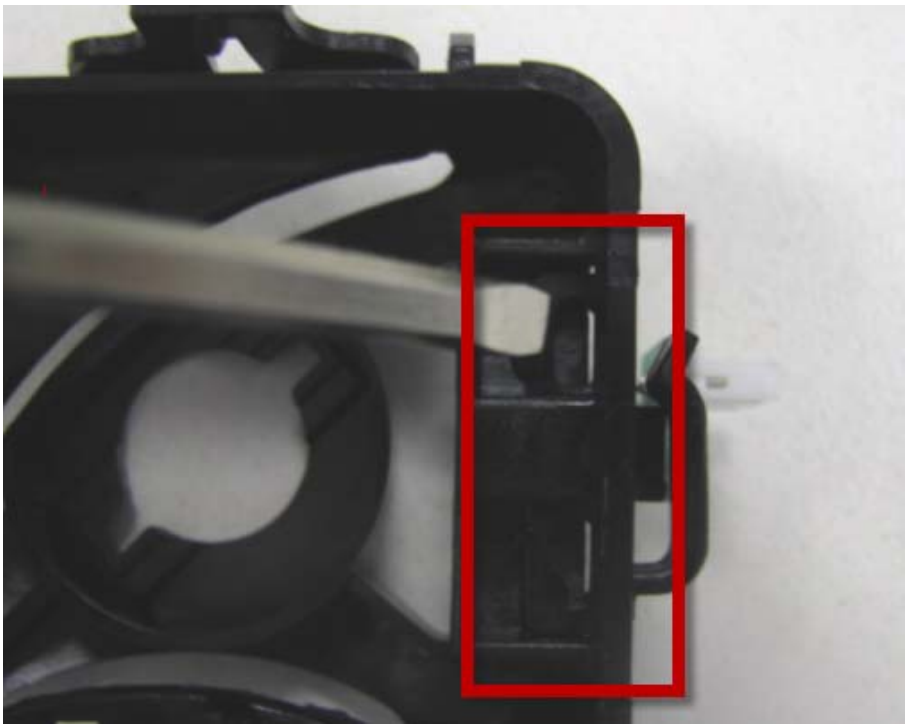
5	Remove the sensor. Use a thin flat blade screwdriver to unlatch the tabs holding the sensor to the frame. 
6	Press the new sensor into the assembly Make sure the encoder wheel is in between the sensor.
7	Replace with new Sensor (A000126) and/ or Cable (D930605)

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8	Line up the sensor with the slot and snap back in. Reconnect cable to J18
9	Procedure is complete.

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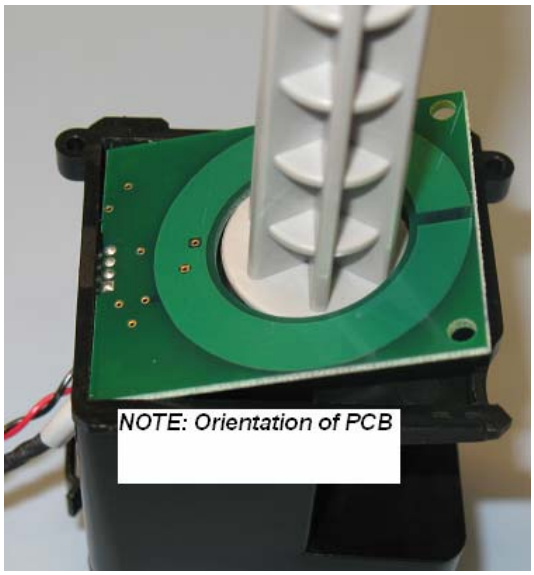
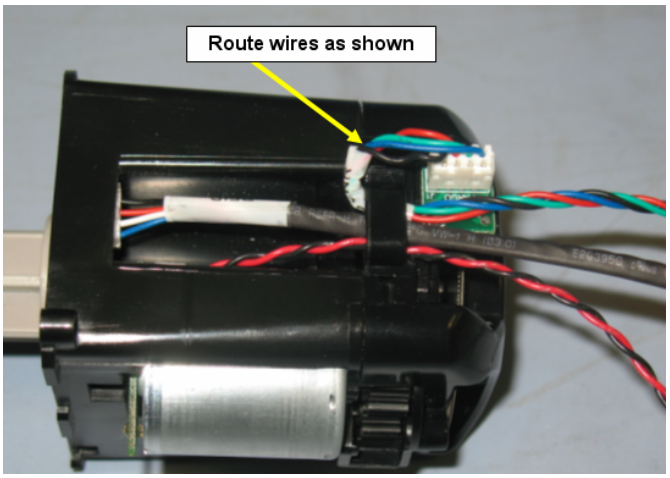
Remove/Replace the PCB board (A000365)

6	Un-snap the PCB from the frame. The PCB with the HOLES are set under the corner tabs. Lift up this end first. See picture below.
7	Replace with new PCB and/ or Cable.
8	Insert one end first then snap into the corner tabs. Replace cable to J9. 
9	For both procedures route the cables under the holding tab. 
10	Reverese assembly to reinstall parts
11	Procedure is complete.

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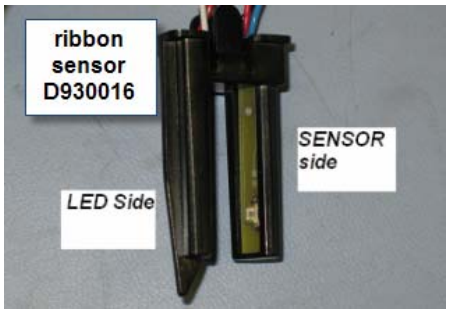
Remove/Replace Ribbon Sensor (D930016)



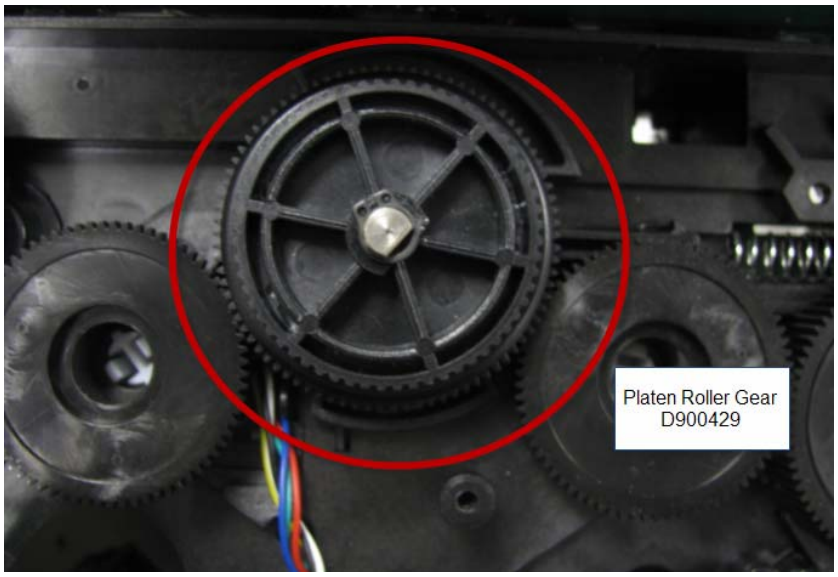
Ribbon Sensor Cable D930608

Tools needed: T10 Torx screwdriver

Estimated Repair Time: 30 min

Preparation: Remove the Covers

Important: This procedure can only be performed by authorized service personnel.

Step	Procedure
1	Caution: Turn OFF the Printer and unplug the power cord from the Printer.
2	Remove the stepper motor assembly first link to
3	Remove the Platen Roller Gears to access the Ribbon Sensor. Remove the retaining ring and pull off the gear. 
4	Remove the Input Feed Lever (D930132), Spring and Gear to access the Ribbon Sensor.

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	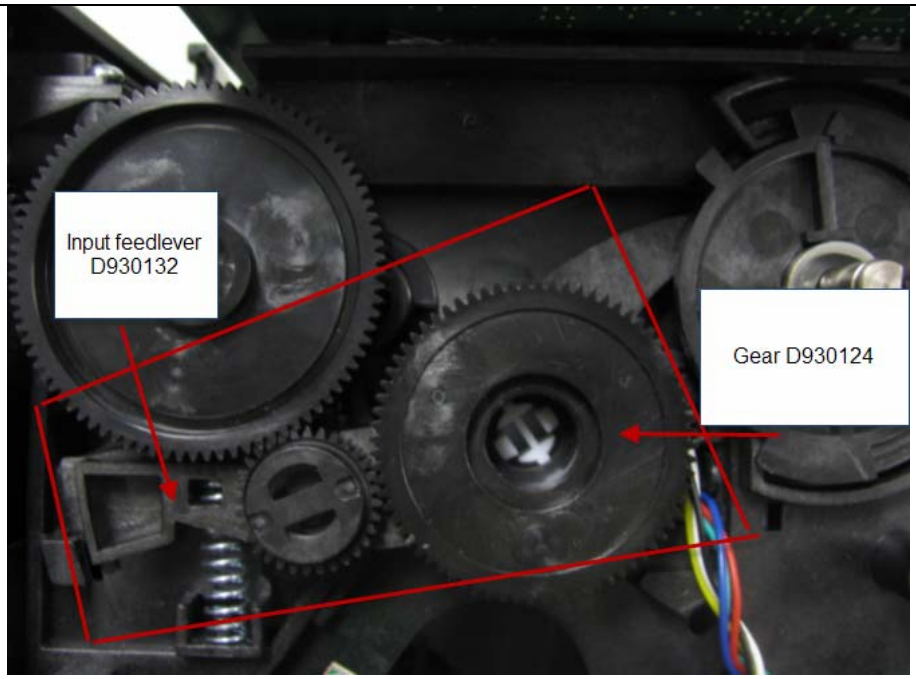
5	From the INSIDE of the printer: Pinch the tabs on the other side to help remove the sensor from the frame. PUSH the Ribbon Sensor back to release the tabs and remove the sensor.

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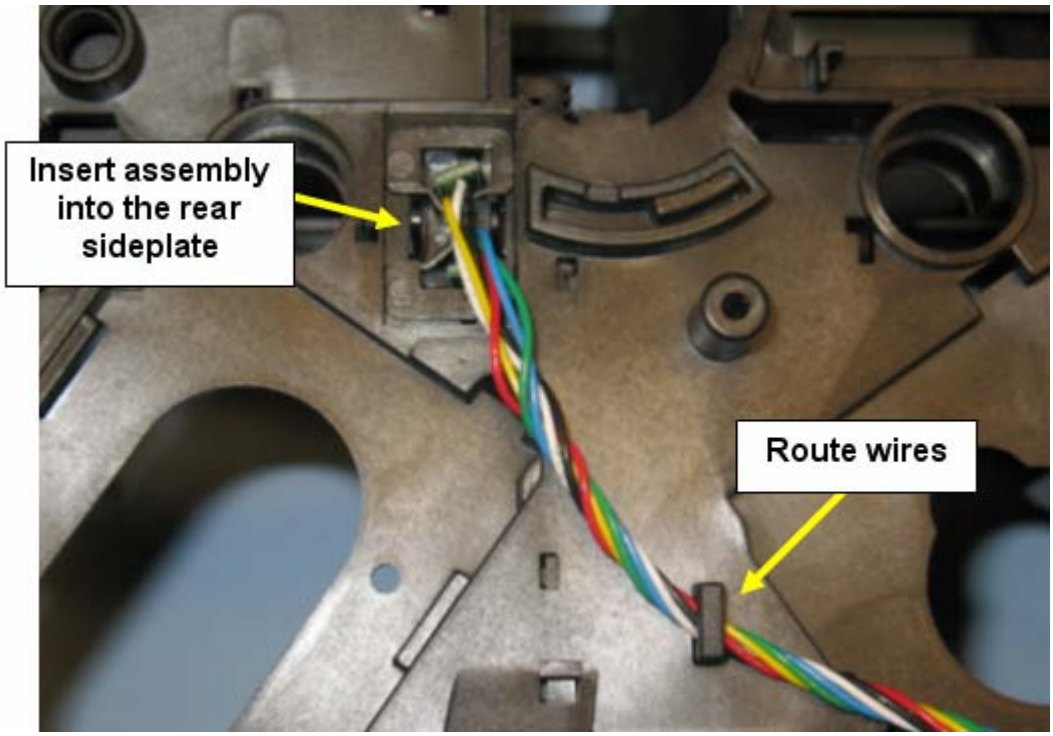
6	Replace with the new sensor. Push the sensor back in using the tabs to snap the sensor in place. This is done from the rear sideplate of the printer near the gears. Note: The wire routing to the frame. 
7	Reverse assembly to reinstall parts. Verify wave washer is in place.
8	Procedure is complete

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Parts Replacement - Dual-Sided Printing Module

- D930010 (Short Module) used for Printer/ Flipper assembly
- D930019 (Tall Module) used for Printer/ Flipper/ Lamination assembly

Remove all covers to access the Flipper Parts Replacements

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Remove/Replace the Flipper Cover

Short Dual-Sided Printing Module shown

Tools needed: T10 Torx screwdriver

Estimated Repair Time: 15 min

Preparation: Remove the top cover of the Printer and Dual-Sided Printing Module from the Printer

Important: This procedure can only be performed by authorized service personnel.

Short & Tall use common parts

Top cover	D930192-01	DTC4000/4500
Top Cover	D930192-02	DTC1000
Card Bin	D930193-01	DTC4000/4500
Card Bin	D930193-02	DTC1000
Flipper Door	D930194-01	DTC1000/4000/4500

The Tall Dual-Sided Printing Module uses the Lamination Cover

Step	Procedure
1	**Caution: Turn OFF the Printer and unplug the power cord from the Printer.** **Caution: Please be careful not to force any of the snapping parts as they could break with too much pressure. When replacing the Covers or any parts, do NOT pinch any wires.**
2	Remove the Top Cover of the printer. Remove the Dual-Sided Printing Module from the printer.

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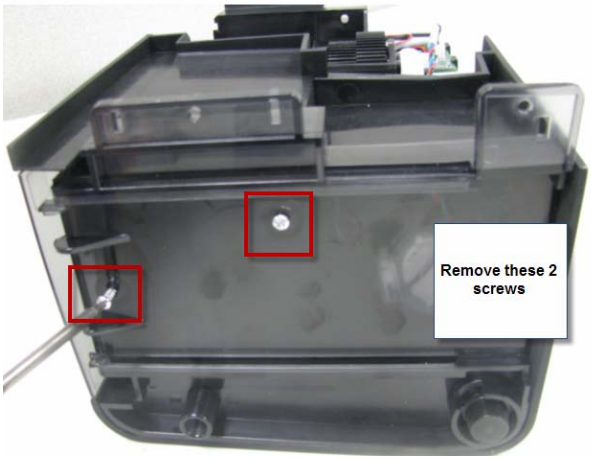
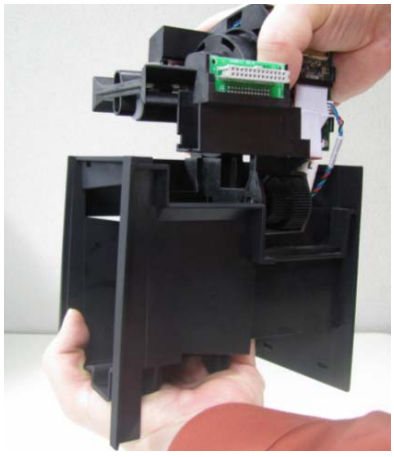
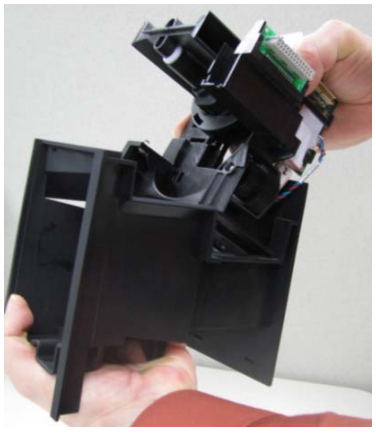
3	Remove the Dual-Sided Printing Module Top Cover. Grasp the cover from the open end and tilt forward to unlatch the front tabs.
4	Remove the Flipper Base Cover: Turn the module over and use a T10 torx screwdriver to remove the 2 screws of the bottom plate. 
5	Grasp the module with 2 hands and tilt back and up. **TIP:** Use your hand from underneath to push the inner wall OUT for easier release of the tabs.  

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6	The module is now ready to replace any of the following parts: • Flipper Table with gear and rollers (D930611) • Stepper Motor (E001135) with Gear connects to J5 • Stepper Motor (E001135) Cable (D930610) • PCB Output Controller-Main Board (D930503) • Lead Screw Assembly (D930155) used for SHORT Module • Lead Screw Assembly (D930176) used for TALL Module • Lead Screw Assembly Gear used for both Short and Tall (D930106) • Headlift Sensor & cable (D900113) connects to J3 HOME • IR Sensor Pair include Detector (Upper & Lower sensor with cable connects to J4 CARD) • Both IR sensors connect to ONE cable and are replaced at the same time. (D930609 used for SHORT Module. D930614 used for TALL Module) • Ribbon Cable (D930611) connects Flipper to printer

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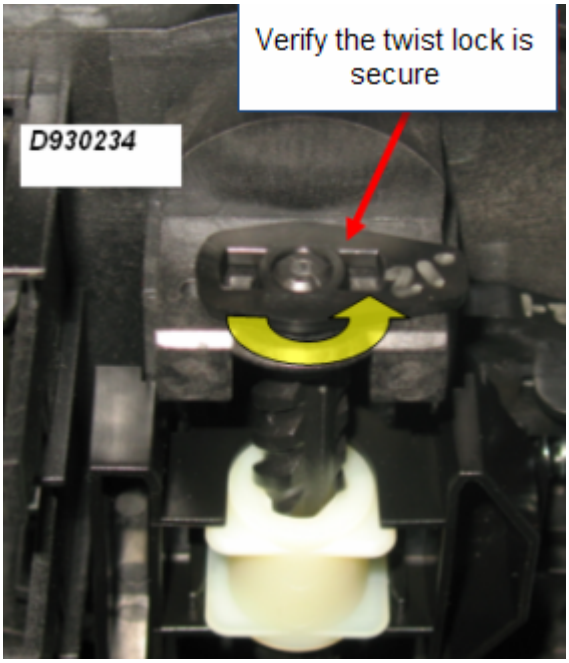
Remove/Replace the Flipper Table (D930011)

Tools needed: T10 Torx screwdriver

Estimated Repair Time: 20 min

Preparation: Remove the Covers

Important: This procedure can only be performed by authorized service personnel.

Step	Procedure
1	Caution: Turn OFF the Printer and unplug the power cord from the Printer.
2	Remove the Covers.
3	Remove the Bushing Screw Twist. Twist to unlock and lift off. 

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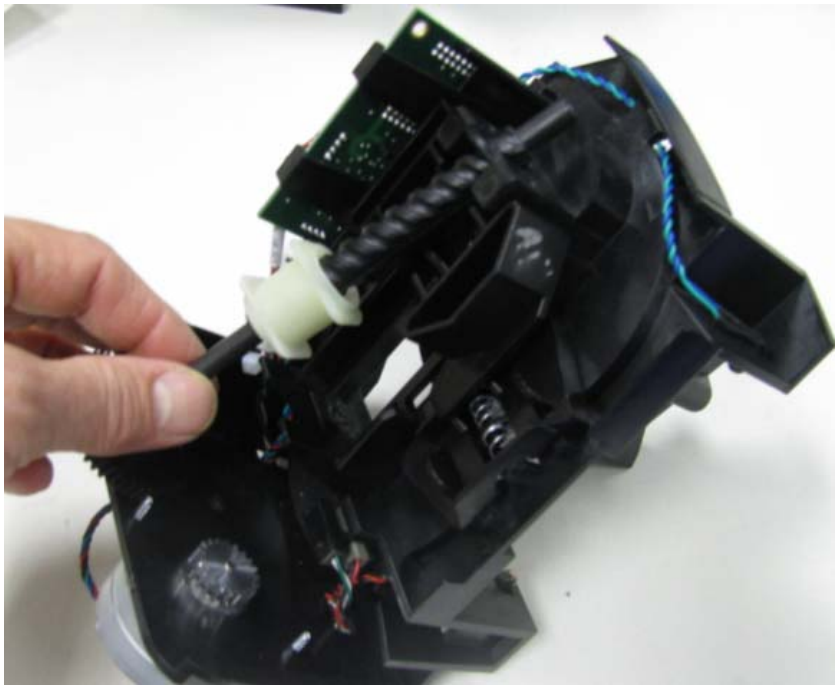
4	Remove the Lead Screw Assembly by pushing UP and pulling OUT from the bottom at an angle.  Short Lead Screw D930155 Tall Lead Screw D930176

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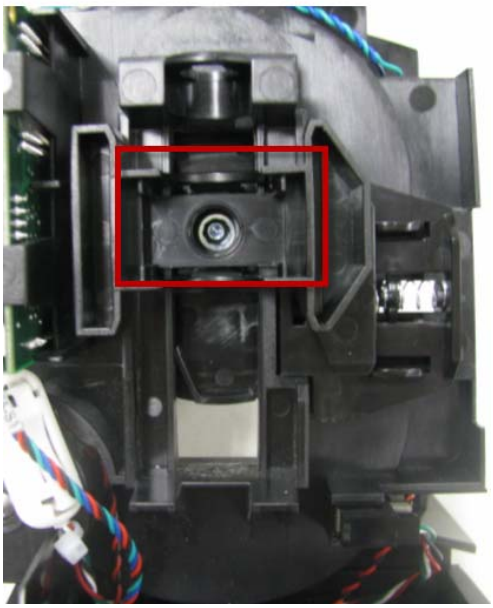
5	Remove the one screw that holds the Flipper Table to the Bracket Table Mount 
6	Remove the Flipper Table.
7	Reverse assembly to install new Flipper Table. Verify Lead Screw and Lead Pin is set correctly. Push down on the top of the lead screw to set into the gear. Replace the twist lock.

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Remove/Replace the Flipper Feed Roller (D930149)

or

Remove/Replace Pinch Roller D920013 & F000338)

or

Remove/Replace Pinch Roller Gears (D30165 & D930166)

D930149

D920013 + F000338

D930165 (3 used)

D930166

Tools needed: T10 Torx screwdriver

Estimated Repair Time: 20 minutes

Preparation: Remove the Covers

Important: This procedure can only be performed by authorized service personnel.

Step	Procedure
1	**Caution: Turn OFF the Printer and unplug the power cord from the Printer.**
2	Start with the instruction for replacing the Flipper Table to access the table module.

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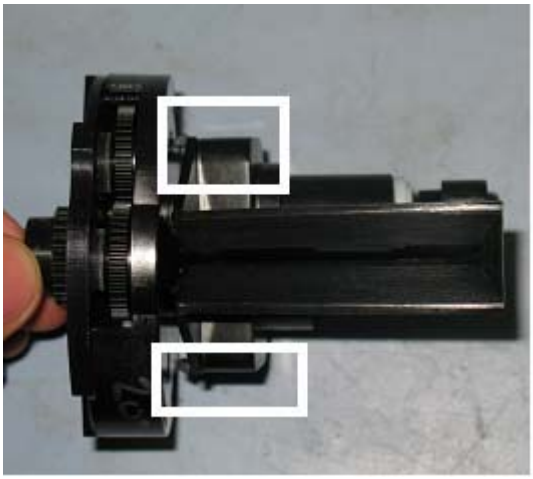
3	Remove the Flipper Table from the Base Bracket by pinching the 2 side tabs inward to release the table from the base. 
4	Card Feed Roller (D930149) - Replace with the new Roller. Line up the roller and the tab slots and push together. Verify the roller spins freely and turns the gears.

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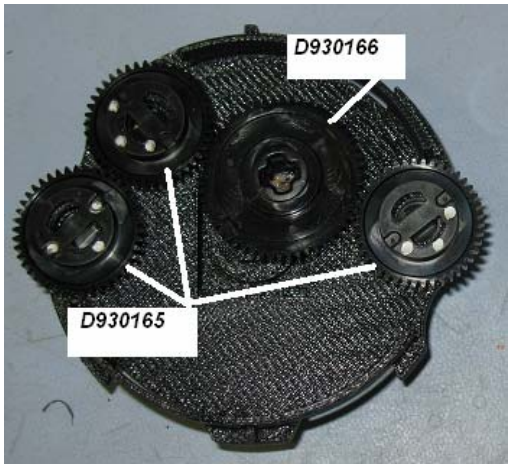
5	Pinch Roller (D920013) Insert spring into the roller and line up one end at a time.
6	Gear (D930165 –D930166) placement shown below for pivot bracket. Verify the assembly is fully snapped together if these are replaced. 
7	When re-assembling the table verify the LEAD Screw and gears move freely up and down and can rotate the table.
8	Replace the Bushing Screw Twist Lock to secure the Lead Screw.
9	Procedure is complete.

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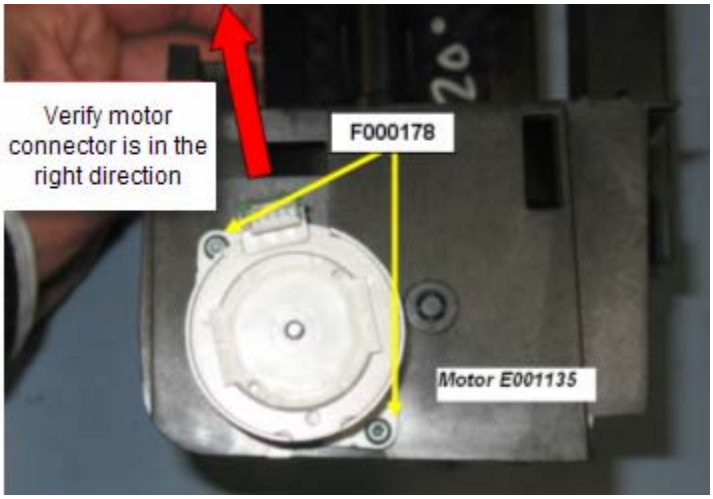
Remove/Replace the Flipper Assembly Stepper Motor – E001135

	Tools needed: T10 Torx screwdriver **Estimated Repair Time:** 20 min **Preparation:** Remove the Covers **Important:** This procedure can only be performed by authorized service personnel. Stepper Motor Cable (D930610)

Step	Procedure
1	**Caution: Turn OFF the Printer and unplug the power cord from the Printer.**
2	Remove the Flipper Covers.
3	Disconnect the cable (D930610) from J5 on the PCB. If replacing this cable make note of how the wire is routed.
4	Remove the 2 screws (F000178) that hold the motor to the frame. 
5	Replace with new motor
6	Procedure is complete

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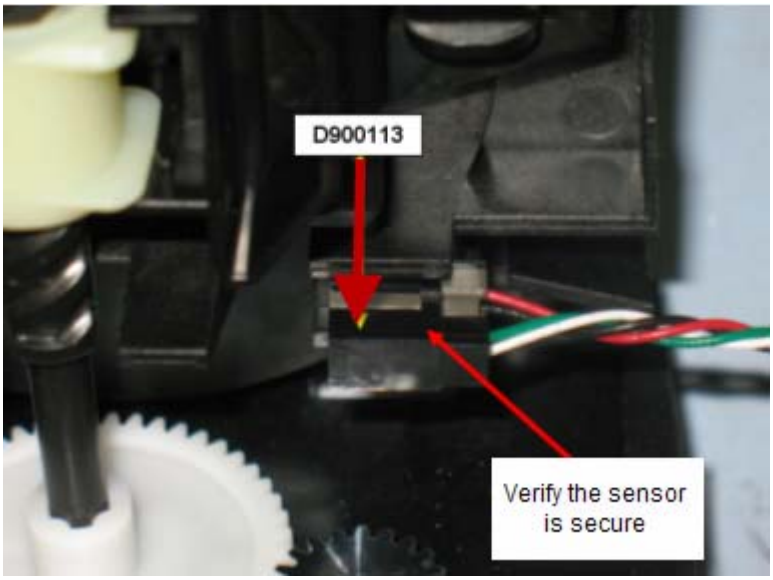
Remove/Replace the Headlift Sensor/Cable- D900113

Tools needed: T10 Torx screwdriver

Estimated Repair Time: 15 min

Preparation: Remove the Covers

Important: This procedure can only be performed by authorized service personnel.

Step	Procedure
1	**Caution: Turn OFF the Printer and unplug the power cord from the Printer.**
2	Remove the Flipper Covers.
3	Pull the Headlift Sensor OUT towards the stepper motor gear to release from the frame. Sensor does not come out with breaking the sensor or tab. 
4	Replace sensor by snapping IN the slot provided.
5	Reverse assembly
6	Procedure is complete

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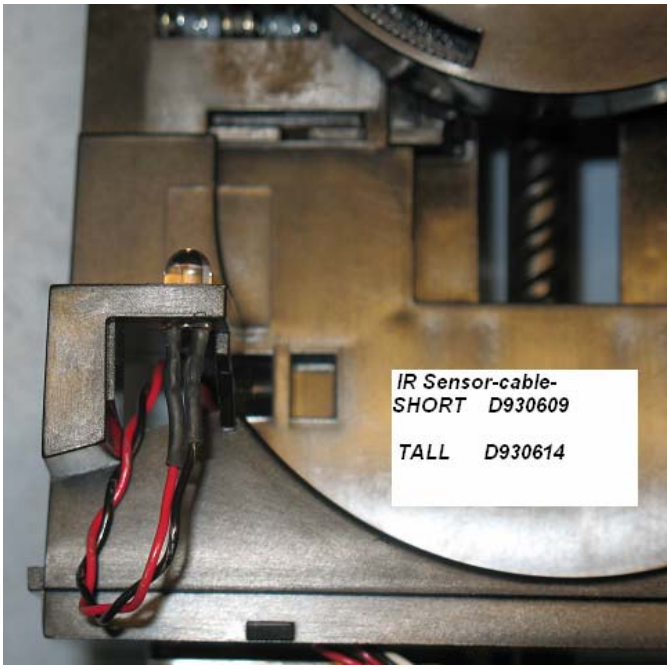
Remove/Replace the IR Sensors D930609 (short) D930614 (tall)

Tools needed: T10 Torx screwdriver

Estimated Repair Time: 15 min

Preparation: Remove the Covers

Important: This procedure can only be performed by authorized service personnel.

Step	Procedure
1	**Caution: Turn OFF the Printer and unplug the power cord from the Printer.**
2	Remove the Flipper Covers.
3	Push the sensor out using some pressure. This sensor snaps in and out. Do not use a metal tool or it may damage the sensor.
4	Replace both upper and lower sensor at the same time.
5	Connect to J4 on the PCB. Make note of wire routing. 

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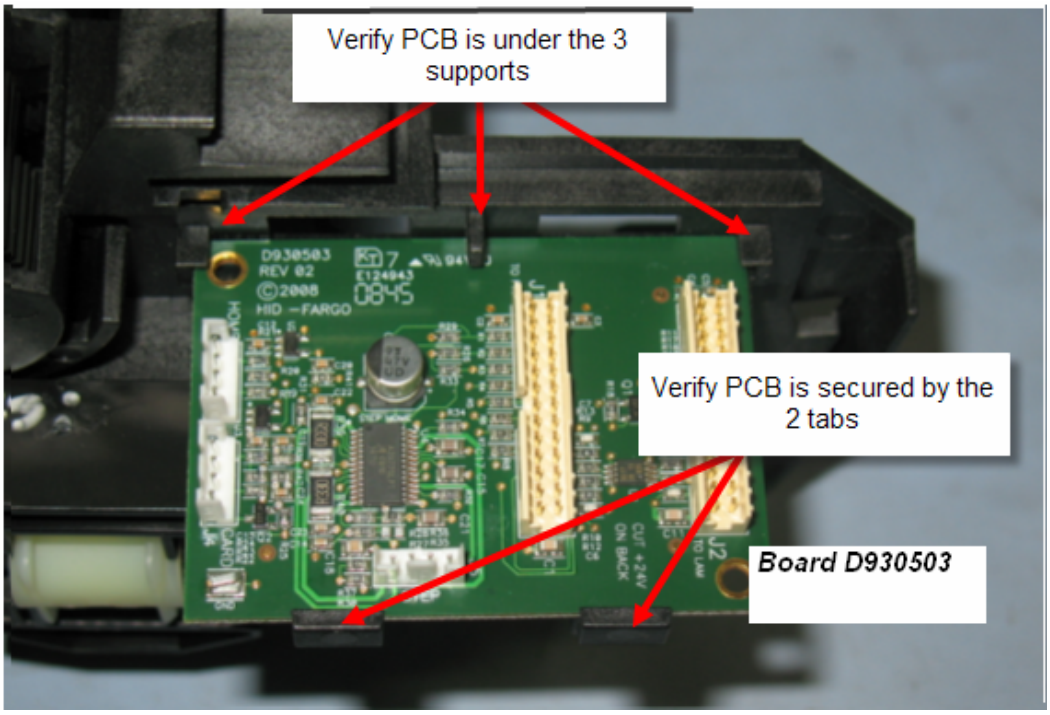
Remove/Replace the PCB Output Controller -D930503

Tools needed: T10 Torx screwdriver

Estimated Repair Time: 20 min

Preparation: Remove the Covers

Important: This procedure can only be performed by authorized service personnel.

Step	Procedure
1	Caution: Turn OFF the Printer and unplug the power cord from the Printer.
2	Remove the Flipper Covers.
3	Disconnect all cable connections
4	Hold the 2 tabs BACK to release the board from the holding tabs. 
5	Replace with new board.
6	Procedure is complete

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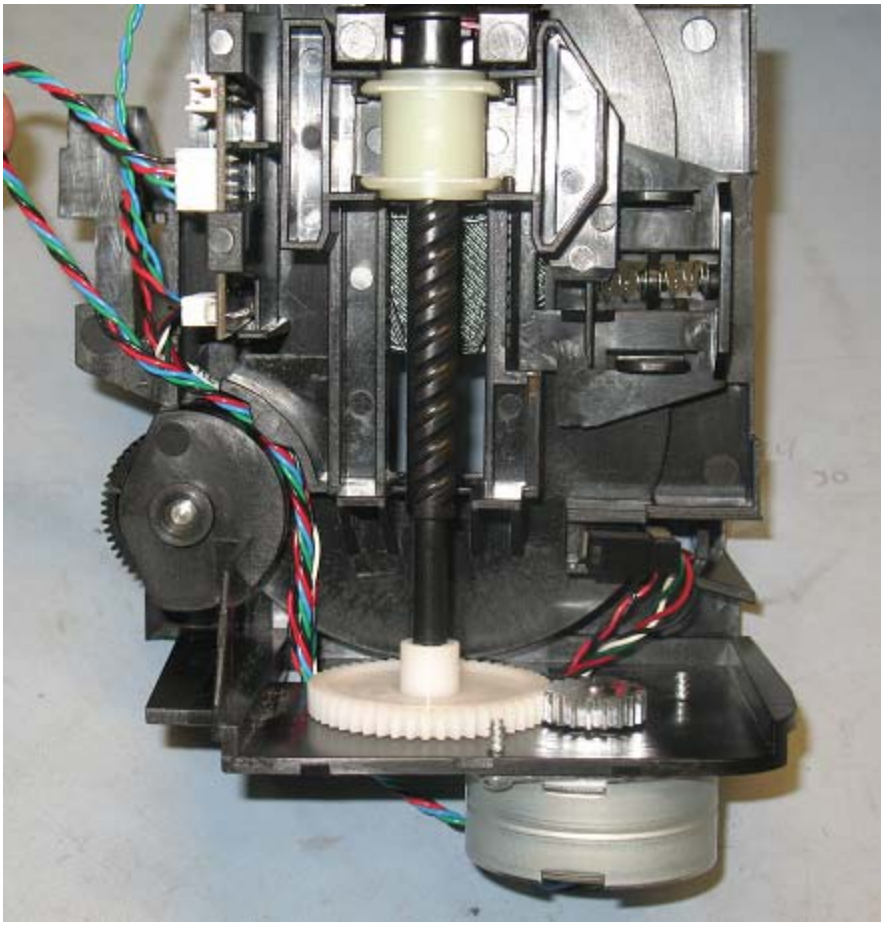
Appendix A

Wire Routing Display of Dual-Sided Printing Module



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Appendix B

Replacing the DTC1000-DTC4000-DTC4500 Printhead

The guide serves to instruct the user about replacing the Printhead. This procedure can only be performed by authorized service personnel.

Caution: Turn OFF the Printer and unplug the power cord from the Printer.

Danger: Wear proper eye protection to perform the procedures in this section.

Reverse the disassembly steps to reassemble the Card Printer. ESD precautions are necessary when handling electronics assemblies.

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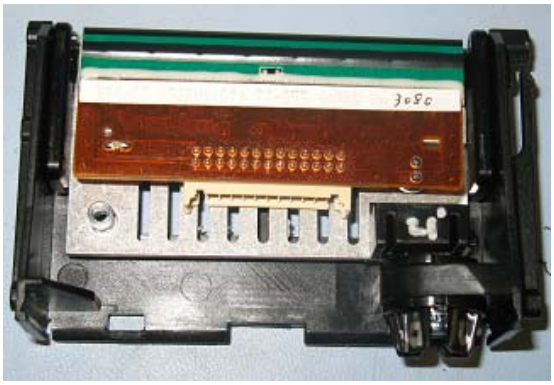
DTC1000-DTC4000-DTC4500 Printhead procedure

The guide serves to instruct the user about replacing the Printhead. This procedure can only be performed by authorized service personnel.

Caution: Turn OFF the Printer and unplug the power cord from the Printer.

Danger: Wear proper eye protection to perform the procedures in this section.

Reverse the disassembly steps to reassemble the Card Printer. ESD precautions are necessary when handling electronics assemblies.



Tools needed: Flathead screwdriver

Torx Wrench (included in kit)

Estimated Repair Time: 15 minutes

Preparation: Remove Printhead mount

Important: This procedure can only be performed by authorized service personnel.

Make note of the resistance value on the new printhead; verify this value in the Advanced Settings driver option. Refer to the User Guide.

Step	Procedure
1	Caution: Turn OFF the Printer and unplug the power cord from the Printer.
2	Turn the printer over to access the Headlift cover.

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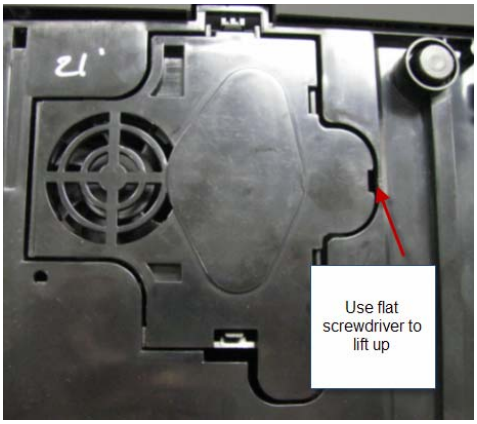
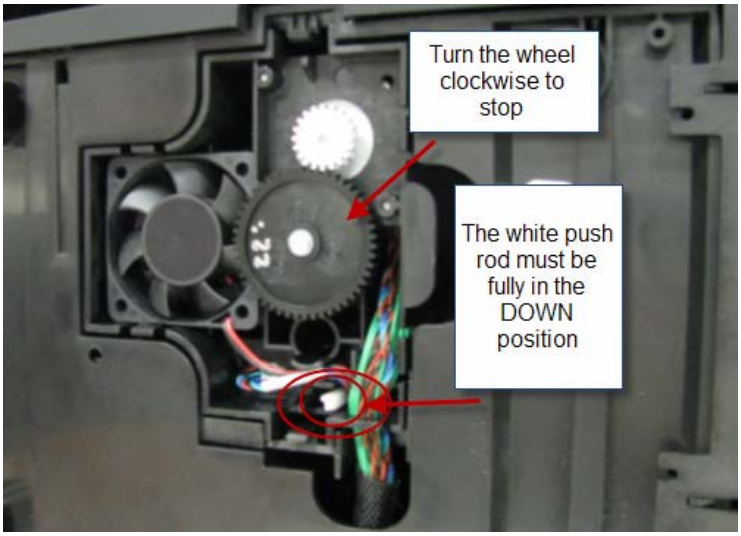
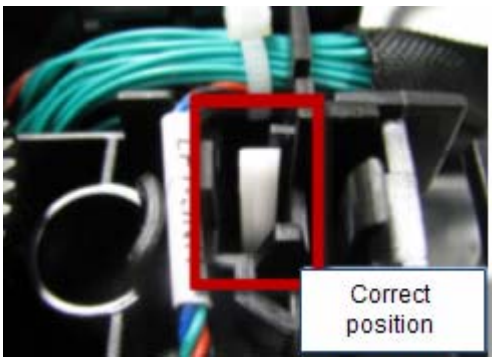
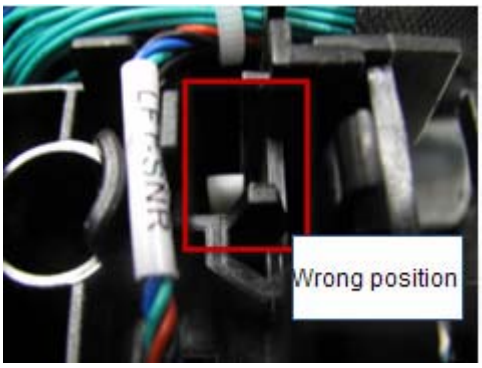
3	Use a flathead screwdriver to lift the cover from the frame. 
4	***VERY IMPORTANT STEP*** Turn the gear clockwise until the Push Rod is in the **DOWN** position. (in relation to the printer base)   correct position  wrong position

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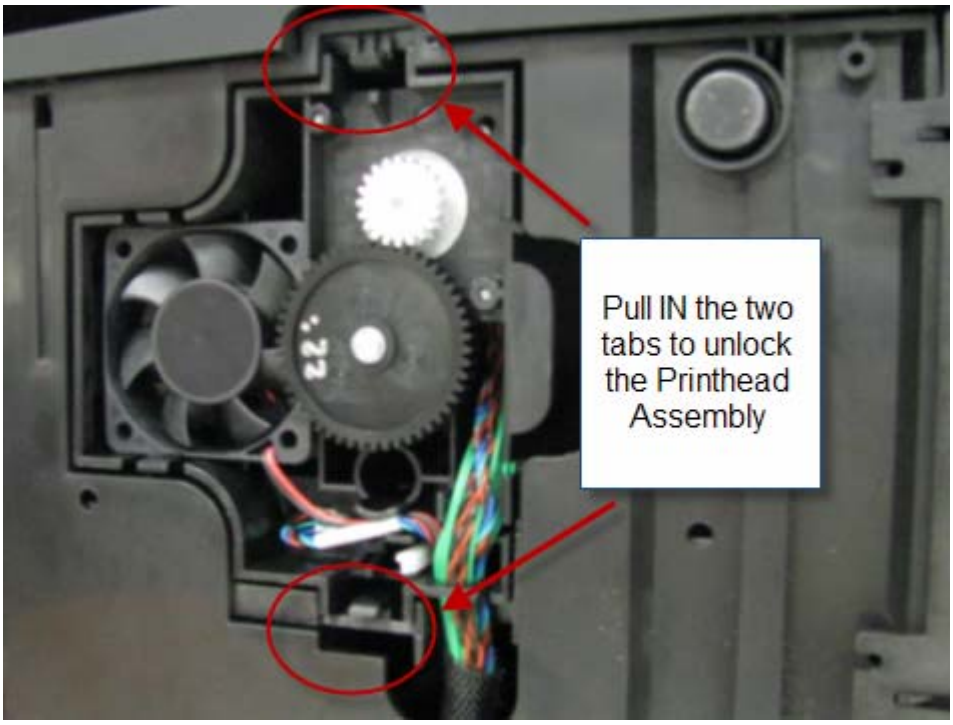
5	Pull the 2 tabs IN and pull UP to ***loosen*** the Printhead assembly. Hold UP until you can push the white rod to the right. Do not pull up until the push rod has been moved. See step 6 below. 

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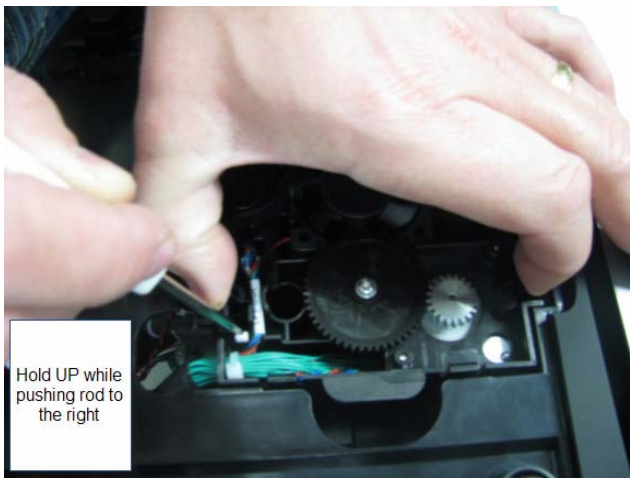
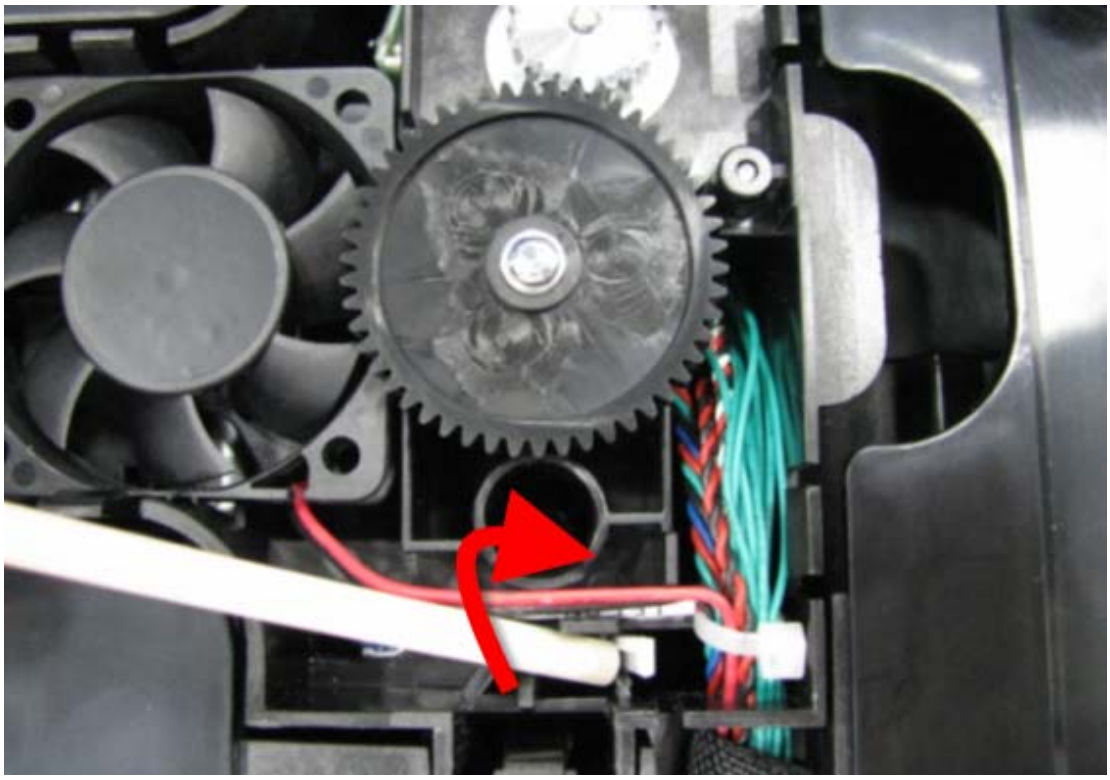
6	Unlock the push-rod by moving it from the left to the right side of the tab.  

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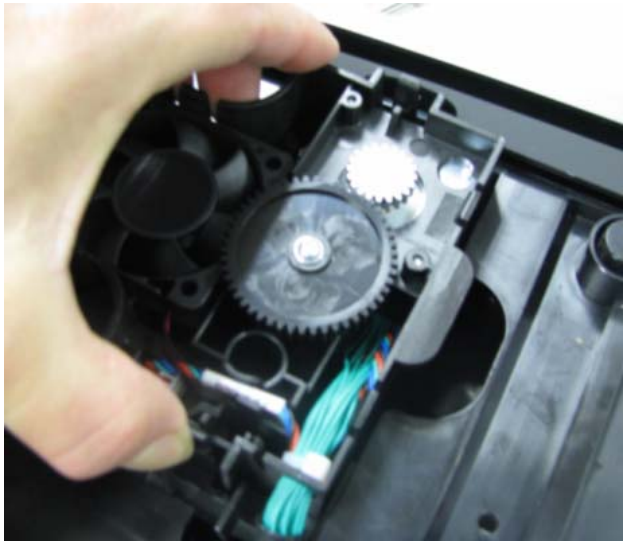
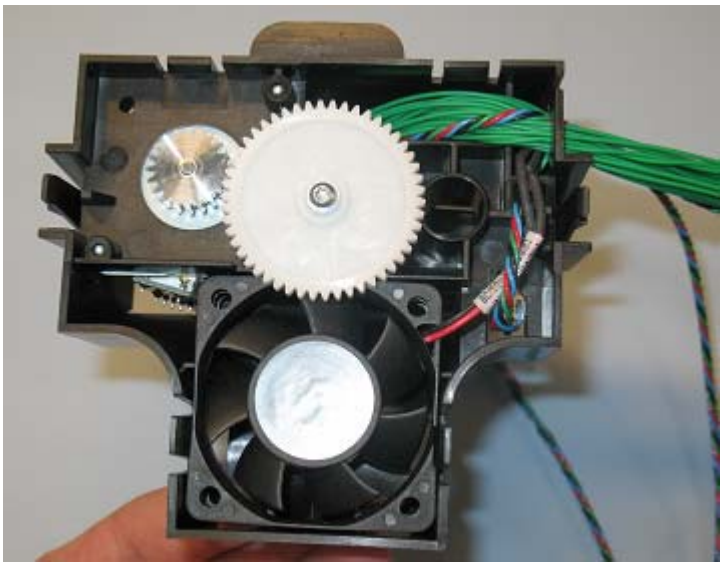
7	The printhead assembly can now be pulled up and out from the frame. 
8	The back side of Printhead assembly shown has been removed from the printer. 

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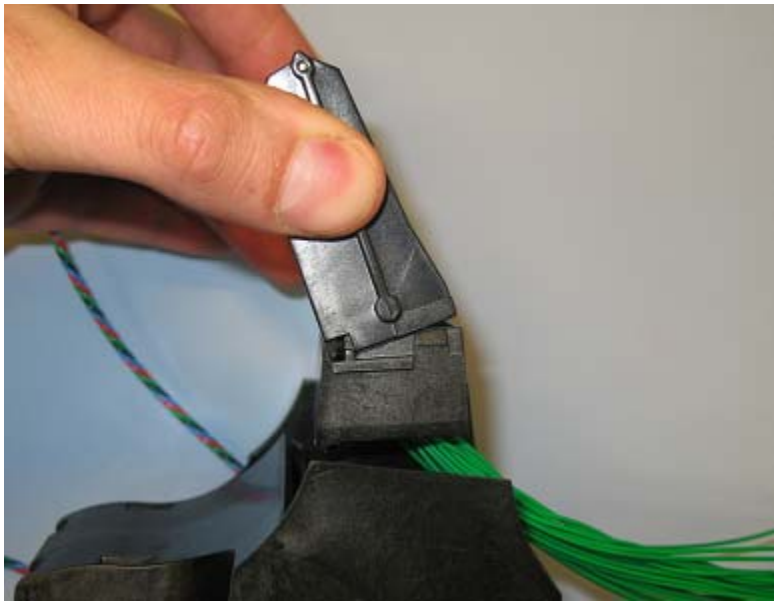
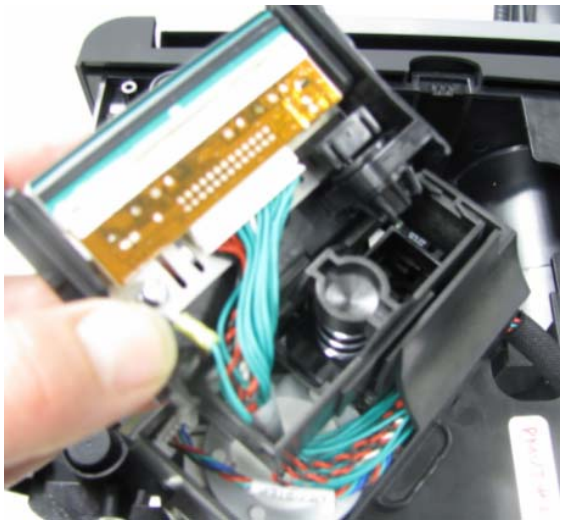
9	Grasp the printhead mount and rotate to release the printhead from the main assembly.  

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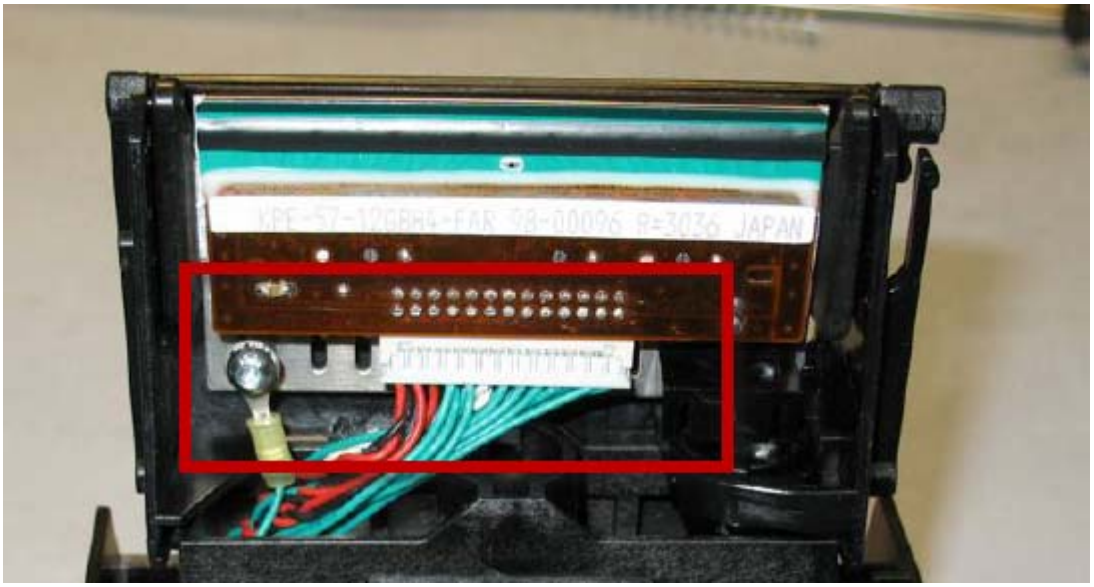
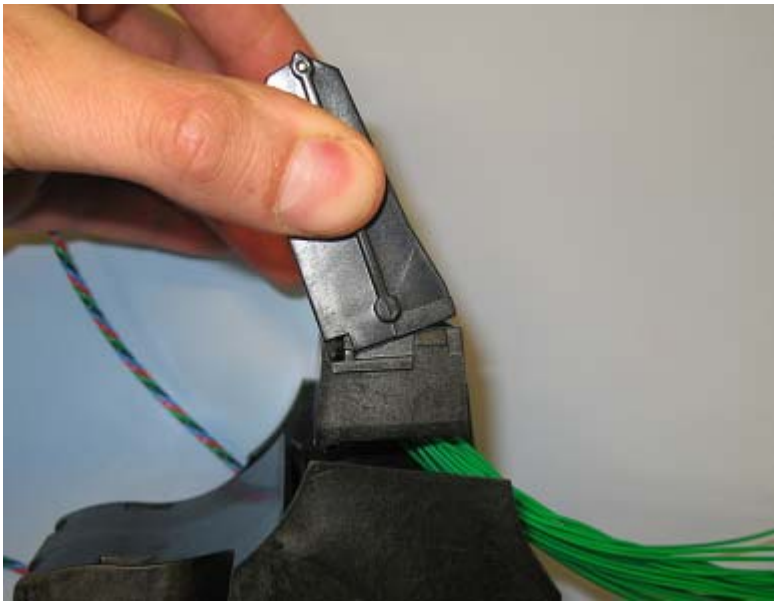
10	Remove the cable (D930602). Be careful not to damage the pins. Remove the torx screw (F000171) and release the ground cable. Leave the wires in the main assembly. 
11	Replace with the new printhead. Install the printhead assembly holes into the tabs and tilt to snap the printhead assembly into place. Verify the printhead is secure in the mount. 

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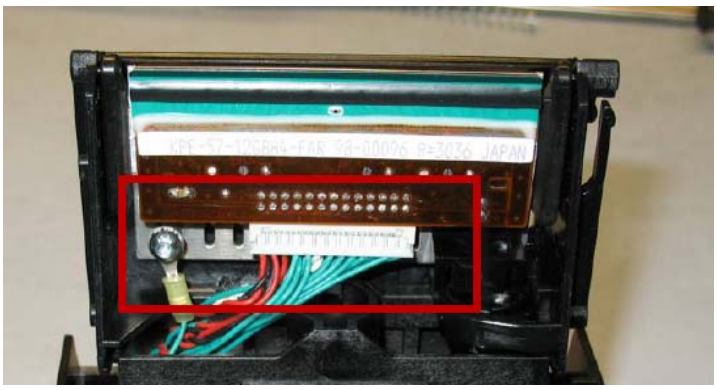
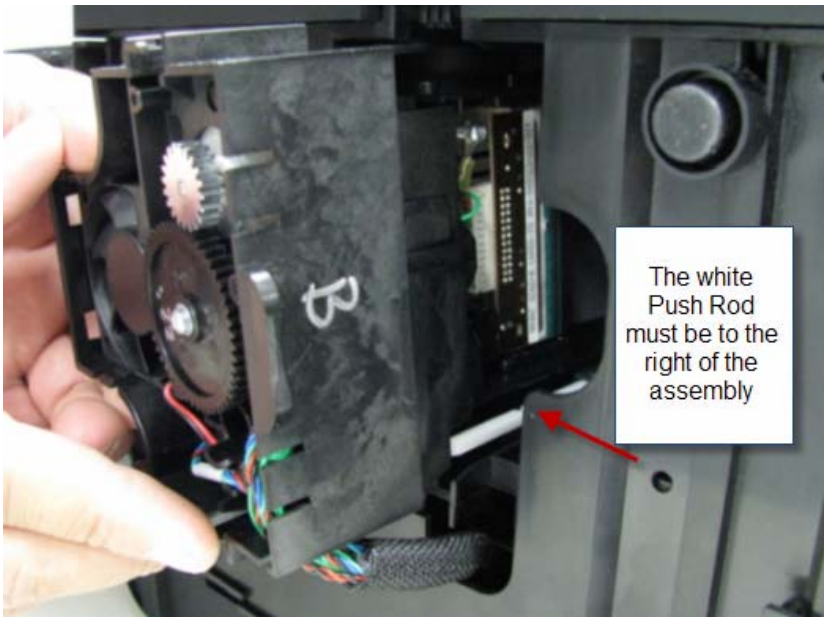
12	Reconnect the cable and ground cable. 
13	***VERY IMPORTANT STEP*** Reinstall the printhead mount assembly into the printer. Line up the Printhead assembly. **IMPORTANT NOTE**:Verify the white Push Rod is to the right of the assembly before reinserting.  Verify the push-rod is in the correct position. It will rest to the right side of the tab.

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	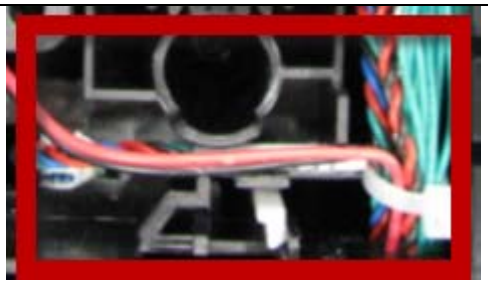
14	**CAREFULLY** re-insert the completed printhead assembly. Do not scratch the printhead surface.
15	Replace the Headlift cover by snapping back into place.
17	Procedure is complete.

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Lamination Module Field Upgrade Installation Guide

DTC4500 Single and Dual Side Printer

Parts included: Lamination Module, Top Cover, Input Bump Latch, Output Cover, Output Bin, screws

Tools needed: Torx Wrench (included in kit) or T10 Torx screwdriver, small flathead screwdriver

Estimated Repair Time: 20 minutes.

Step	Procedure for a DTC4500 Single Side Printer (if you are upgrading a Dual-Sided printer please skip ahead to the procedure for this configuration)
1	**Caution:** Power off the printer by unplugging the power cord from the Printer.
2	 DTC4500 Single Side Printer shown in this picture. Remove the card output hopper. Squeeze in at the top to unlatch the tabs from the printer frame. (**NOTE:** This part will not be used with the Lamination Module Upgrade.)

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3	Remove the top cover. From the back of the printer locate and remove the 2 screws (F000171) within the handle.
4	Lift up the top cover from the back first then the front. Remove and set aside. (**NOTE**: This part will not be used with the Lamination Module Upgrade.)

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5	Remove the plate from the output side of the printer. There is one screw that holds this plate in place.
6	Once the Single Side printer is prepared to this point please proceed to step 11 (in the next section) for the Lamination Module install.

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Step	Procedure DTC4500 Dual Side Printer
1	**Caution:** Power off the printer by unplugging the power cord from the Printer.
2	 DTC4500 Dual Side Printer shown in this picture.
3	Remove the Flipper Module from the DTC4500 Dual Side printer before installing the Lamination Module. Refer to steps 4-10 below for this procedure. (**NOTE:** The Flipper Module will not be used with the Lamination Module Upgrade.)
4	Remove the top cover. From the back of the printer locate and remove the 2 screws (F000171) within the handle.

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	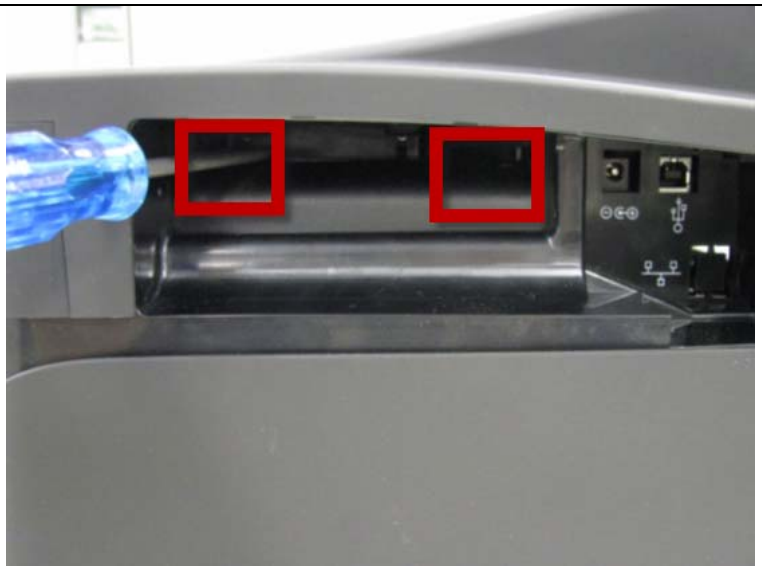
5	Lift up the top cover from the back first then the front. Remove and set aside. (**NOTE**: This part will not be used with the Lamination Module Upgrade.)
6	Remove the one (1) screw that attaches the Flipper Module to the Printer.

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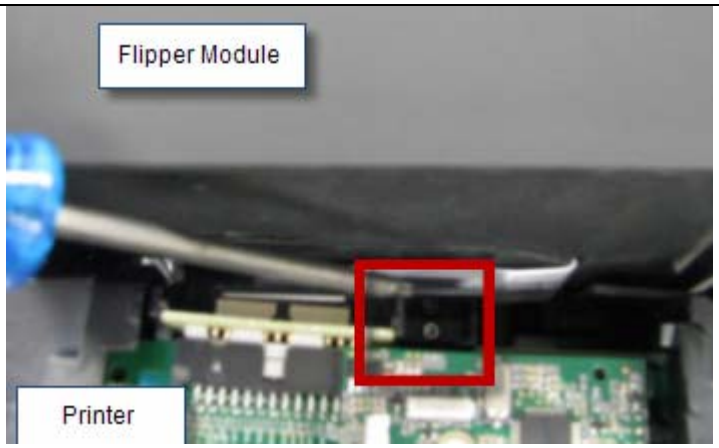

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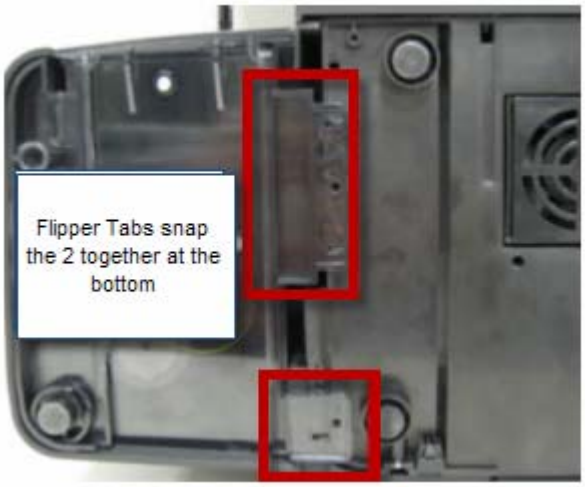
7	Remove the Flipper Module cable from the printer board contact.
8	Turn the printer over and unsnap the TABS that hold the Flipper Module to the Printer. 

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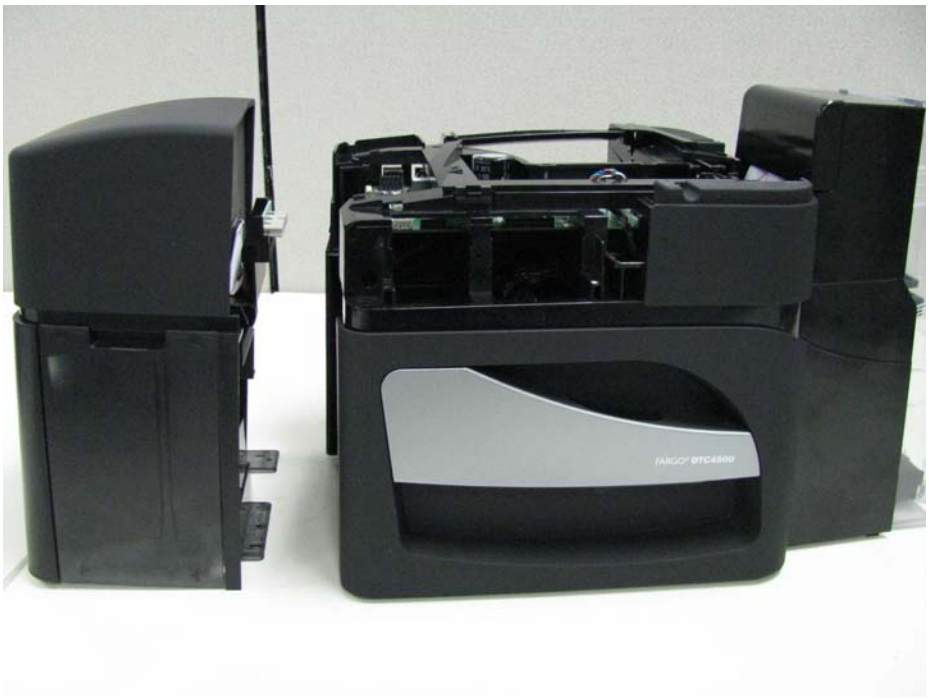
9	Remove the Flipper Module from the printer. Slide off to release the electrical connector. Careful not to bend or damage the connector. Remove and set aside. **NOTE**: This part (Flipper Module) will not be used with the Lamination Module Upgrade. 
10	The printer is now prepared to have the Lamination Module be attached.

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	INSTALLING THE LAMINATION MODULE ▪ **This procedure is the same for both the single and dual printer lamination upgrade.** ▪ **Important note: Do not force any parts of the covers during assembly. They are made to snap together.** ▪ **The module will come with the Top Cover and the Output Lam Panel attached, these parts will need to be removed first to install the module.** ▪ **Use reverse assembly from steps 19-23 for the Top Cover and steps 15-18 for Output Lam Panel.** ▪ **Refer to step 22 below for removing the Input Cap.** ▪ **Refer to step 20 below for removing the Top Cover.** ▪ **Refer to step 15 below for removing the Output Lam Panel.**
11	The Lamination Module will come with the Top Cover and the Output Lam Panel attached to the module that will need to be removed from the module before the base is set on the printer frame. This is what the Module will look like after these parts are removed. The printer is now ready to update.

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12	Line up the Lamination Module with the printer base. Start with the module lined up to the printer then slide in to allow the bottom latch tabs to connect.
13	Open the Flipper Door and verify the electrical connection is solidly connected to the PCB.
14	Turn the printer on its side and snap together the bottom tabs. Install the 2 screws (F000178) as shown below.

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	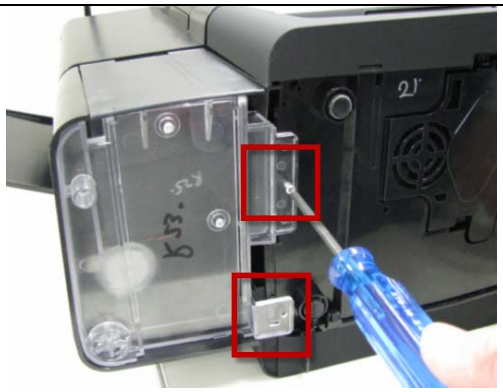

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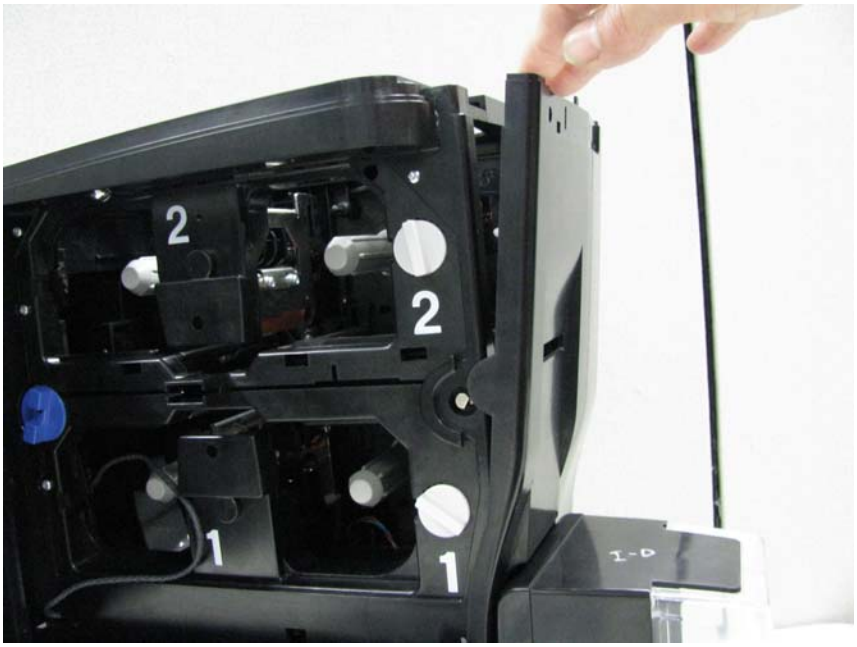
15	Reinstall the Output Lam Panel then the Top Cover. Insert the bottom of the Output Lam Panel. Fit this in-between the hopper and printer. Have the front door open during this step.  **NOTE:** The panel latch fits into the frame hole provided. This locks the pieces together.

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	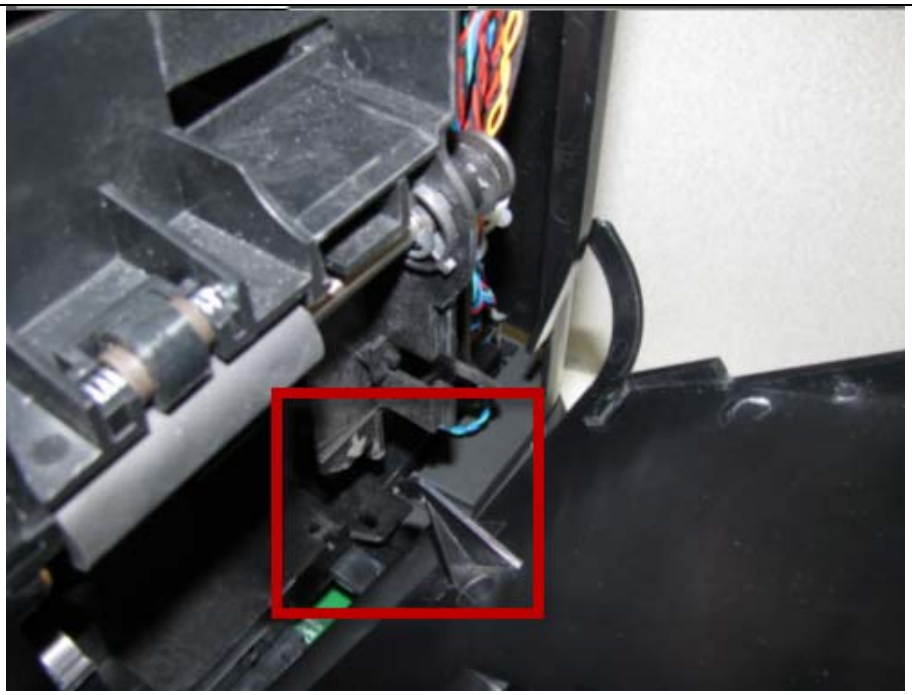

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16	Tilt the panel up toward the printer.
17	This side tab snaps into the printer frame.

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18	Use a small flathead screwdriver to open up a space in the back cover in order to snap this side tab into place.

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19	Install the Top Cover.
20	Start at the back and snap into place at the front. Make note of the TAB connection. Push down on all sides for a solid connection.

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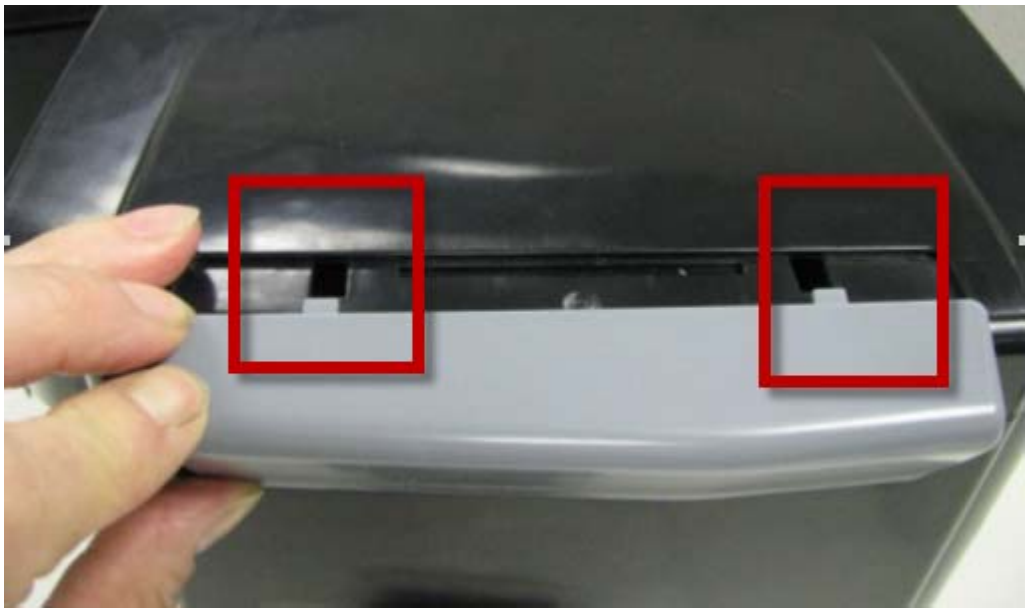
21	Insert the 2 screws (F000178) to hold the Top Cover in place.
22	Insert the Input Cap starting from the bottom. 

23	Tilt the Input Cap upward until the top tabs snap into place.

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24	Install the Output Hopper Bin. Start at the top and line up the tabs. Push down to snap into place.

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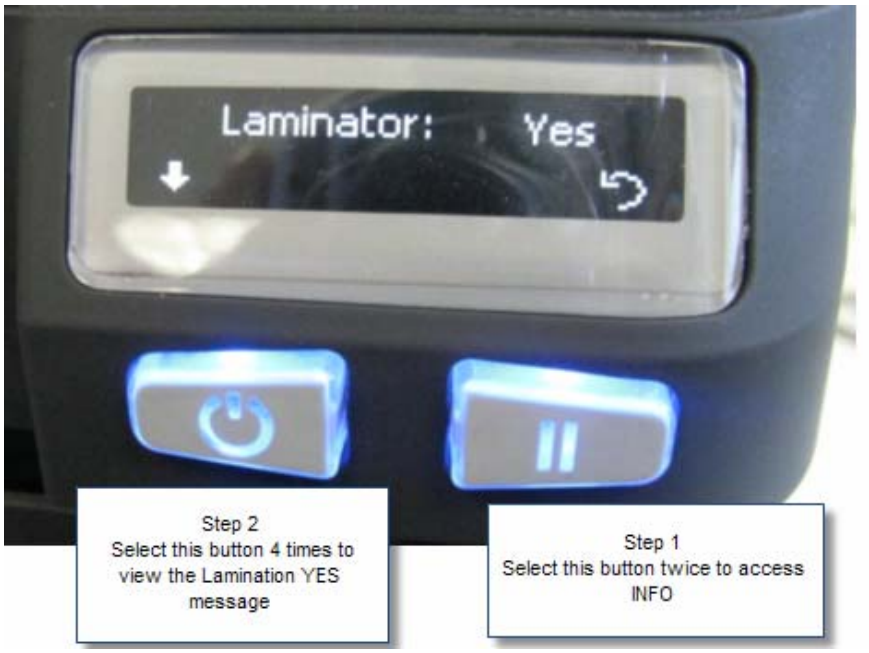
25	Lamination Module Installation procedure is complete.
26	**NOTE:** Upon power up when the printer is in the READY mode use the buttons as shown below to verify that the Lamination Module has been successfully installed. 

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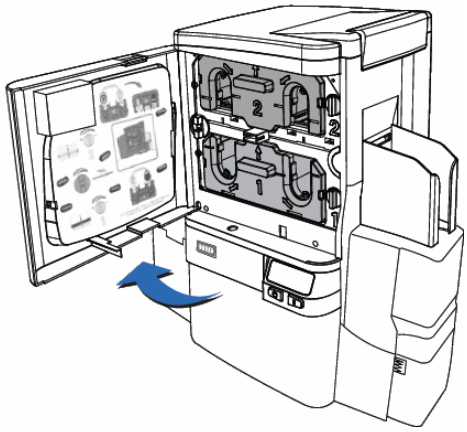
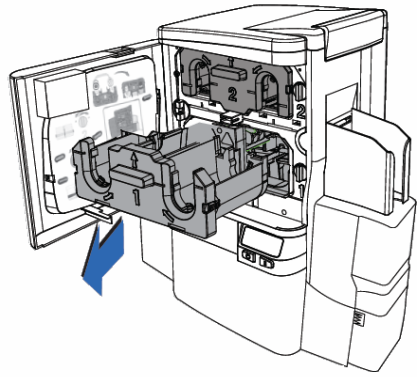
Installing the Laminates

Step	Procedure
1	Open the lamination door 
2	Remove #1 overlaminate cartridge 
3	Load lamination rolls into the cartridge until hearing a click.

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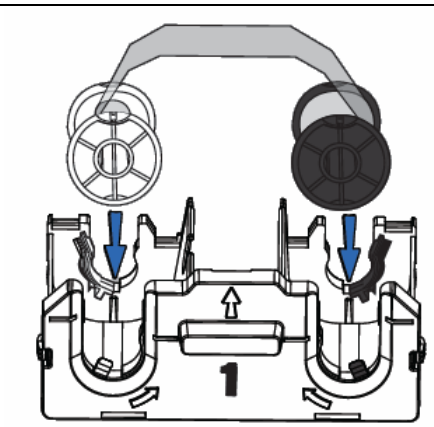
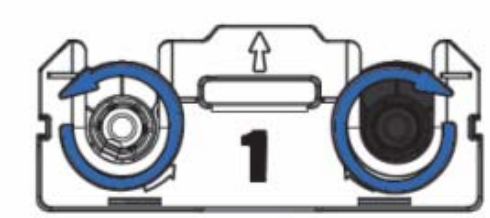
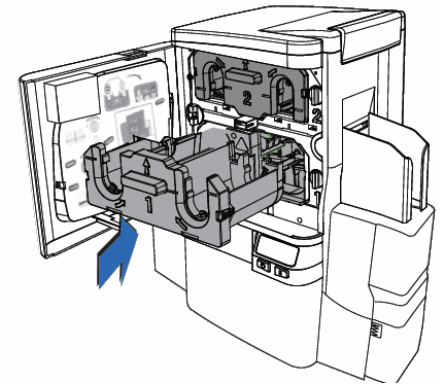
	
4	Tighten the lamination roll. 
5	Insert the overlaminate cartridge until hearing a click. 
6	Remove #2 overlaminate cartridge

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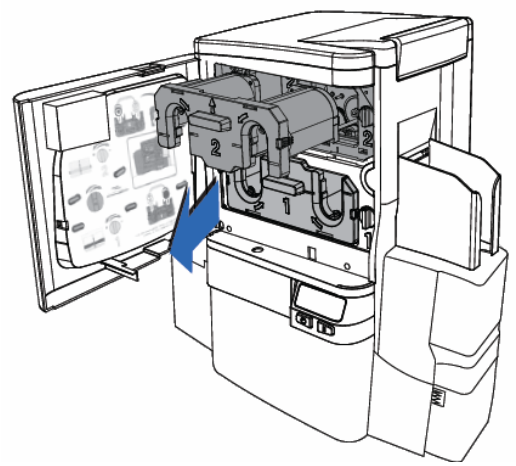
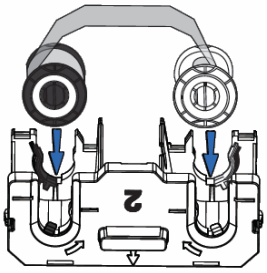
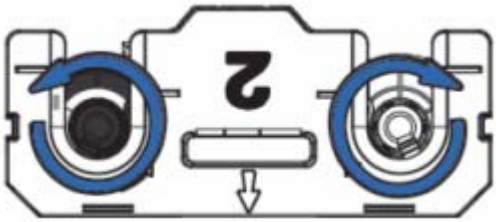
	
7	Load lamination rolls into the cartridge until hearing click. 
8	Tighten the lamination roll. 
9	Insert the overlaminate cartridge until hearing a click.

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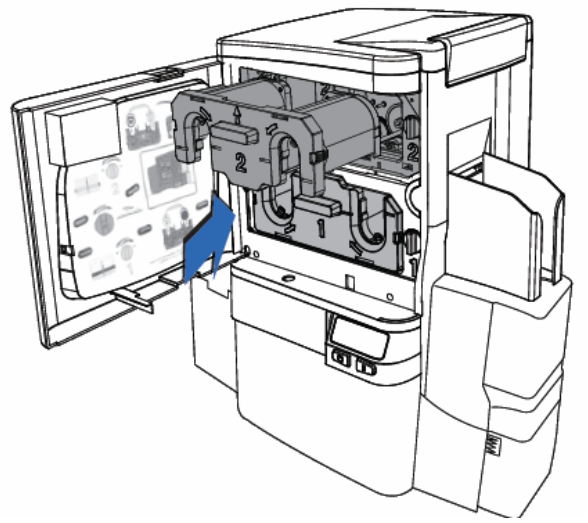
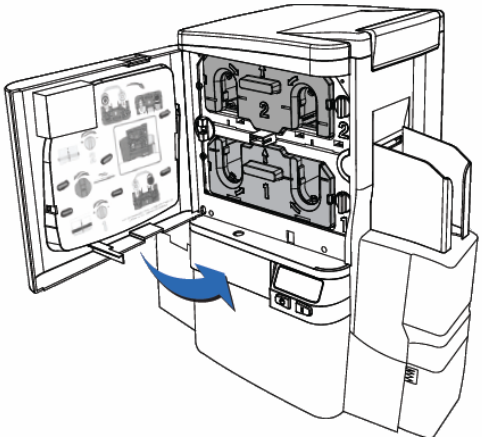
	
10	Close the lamination door. 

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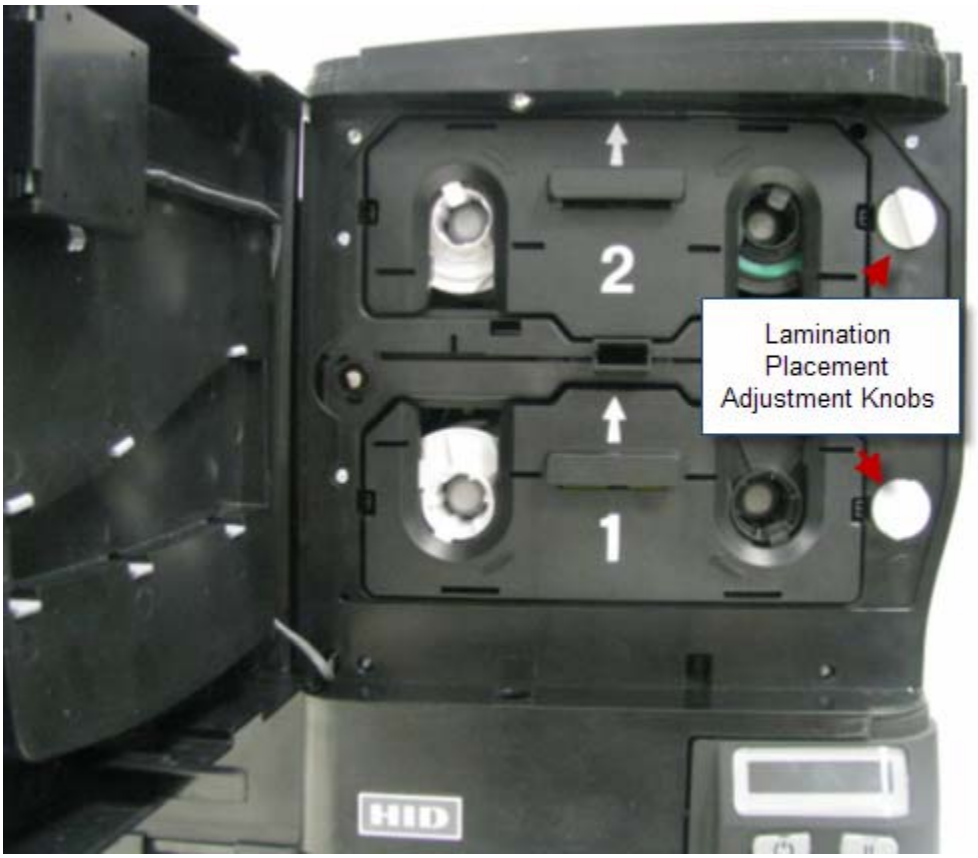
Adjusting the Lamination Placement on the Card

The Card Lamination Module provides an adjustable Lamination Placement knob that allows you to fine-tune where the lamination is being placed on the card.

Step	Procedure
1	• The Lamination Placement Adjustment Knob is the light gray knob to the right of the Lamination Cartridges. • The printer will have one or two film cartridges loaded (depending on whether this is a Single or Dual-Side Lamination Module). 
2	Print a test card to see if the Lamination placement needs to be adjusted. Turn the knob to the right to move the patch toward the front edge of the Lamination Module. Turn the knob to the left to move the patch toward the back edge of the lamination module.

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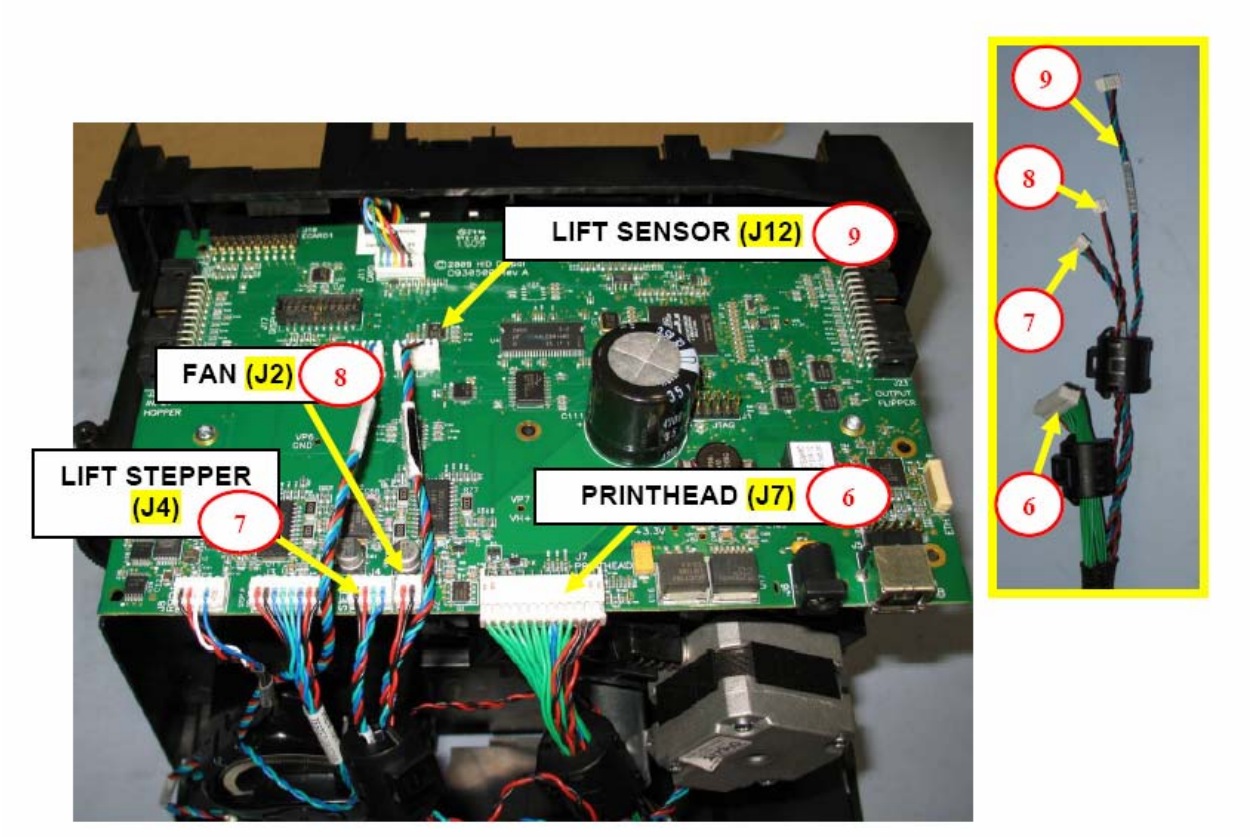
Appendix C

Mainboard connections



J2-J4-J7-J12 Printhead Harness Cable (D930616) Printhead, Lift Stepper & Sensor, Fan

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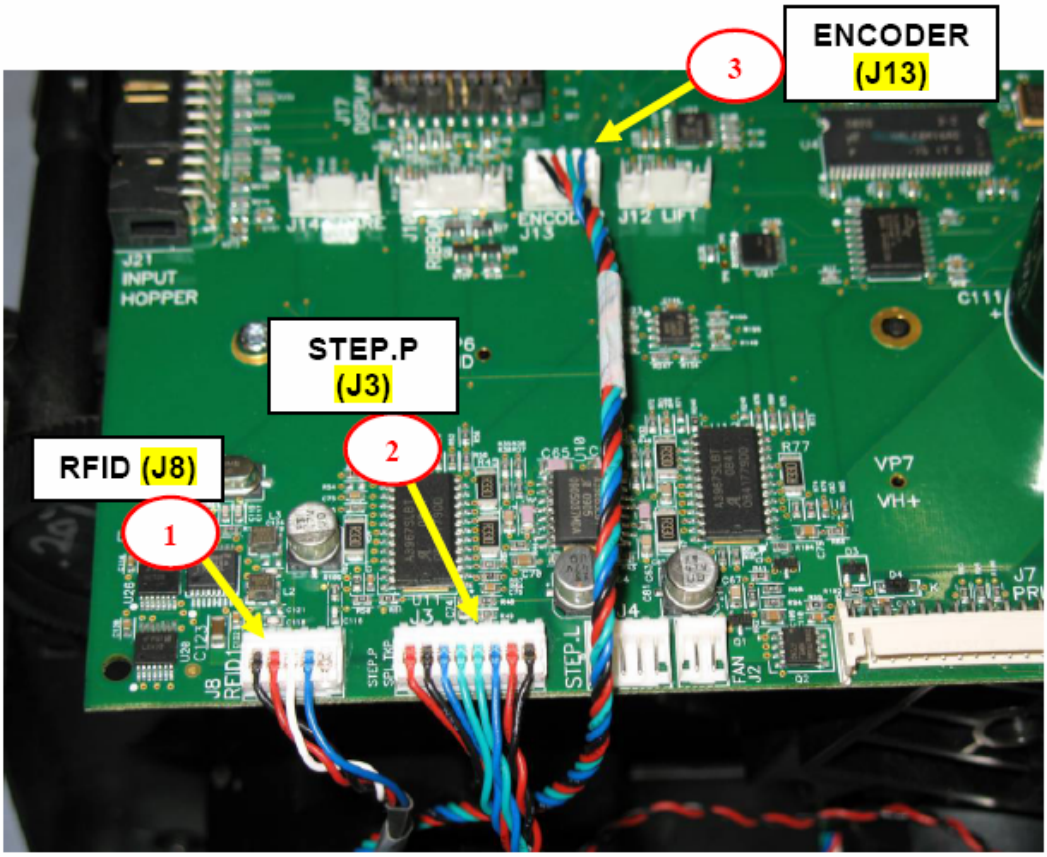

J3 Motor Harness Cable (D930600) Stepper Motor, Ribbon Supply, Ribbon Take-up

J8 RFID Cable (D930603)

J13 Encoder Cable (D930605)

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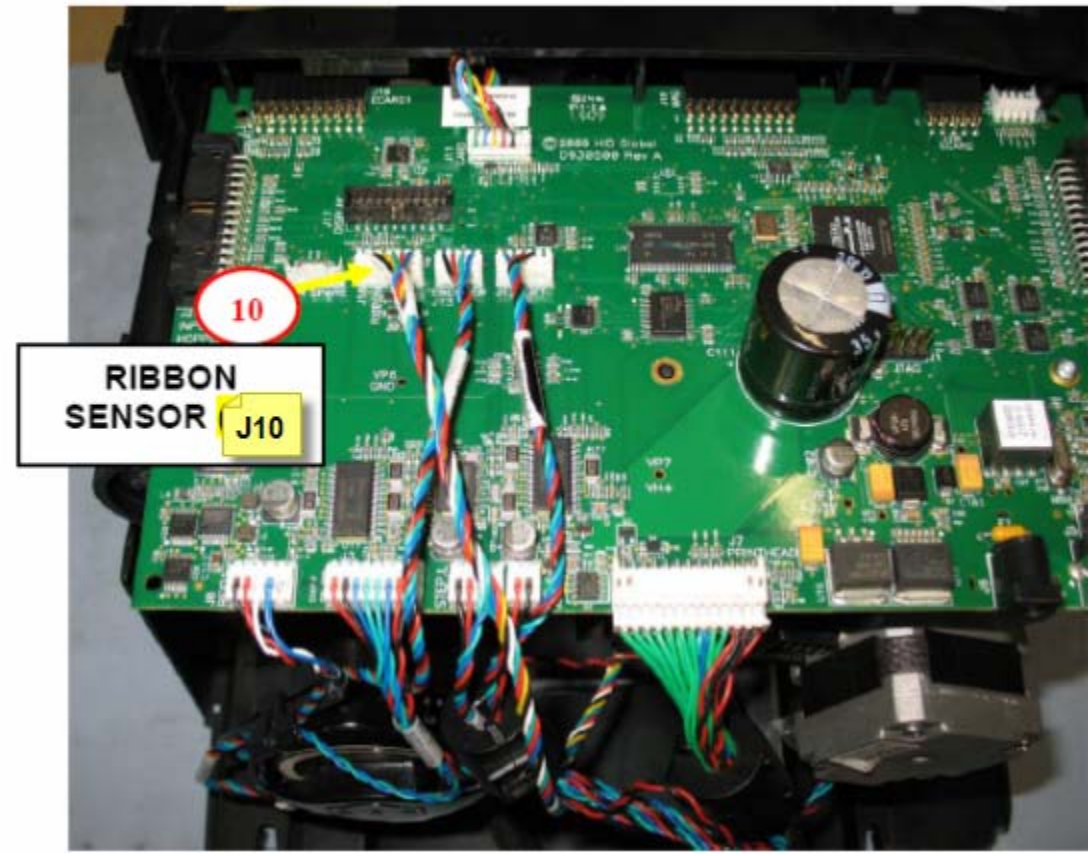
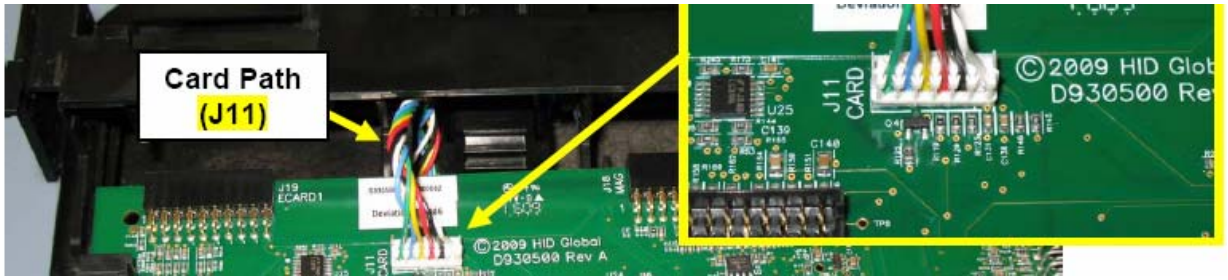


J10 (D930608) Ribbon Sensor Cable



J11 (D930613) Card Path Cable

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Appendix D Engineer Drawings

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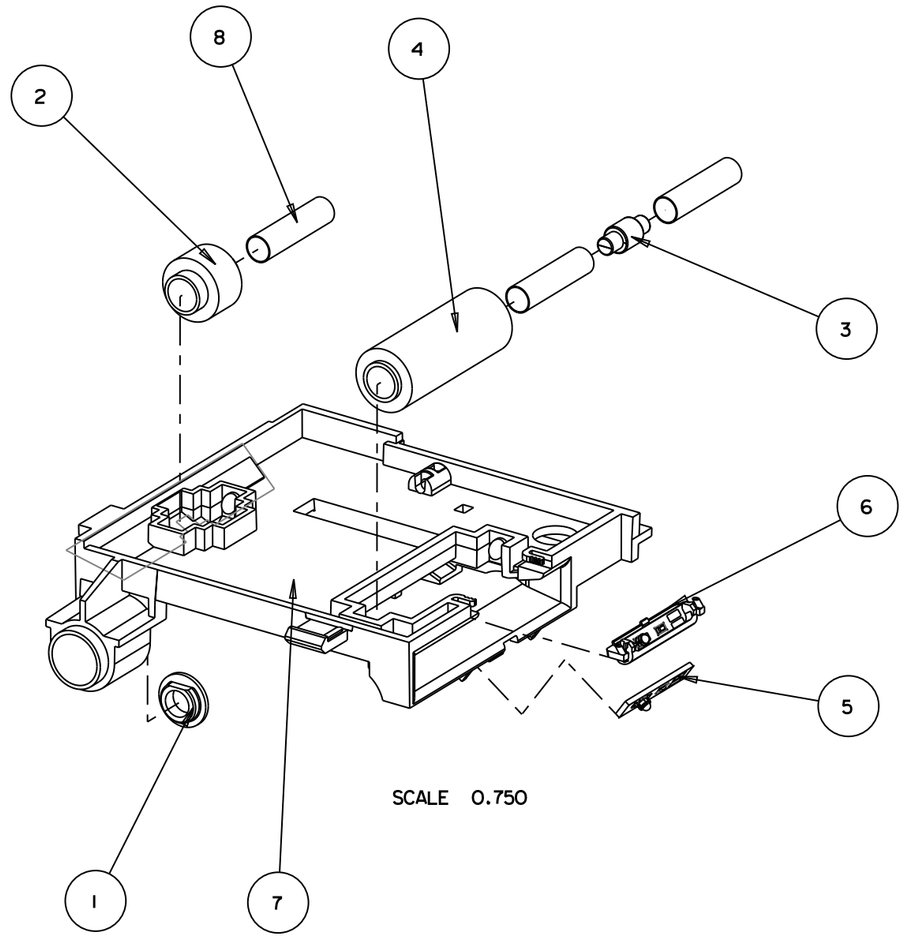
ITEM	QTY	ITEM NUMBER	TYPE	DESCRIPTION
1	1	760363	PART	BEARING - CAM SHAFT
2	1	D920013	ASSEMBLY	ROLLER- PINCH
3	1	D920017	PART	BUSHING- SPRING OUTPUT
4	1	D920018	ASSEMBLY	ROLLER- PINCH OUTPUT
5	2	D920155	ASSEMBLY	ASY-CBL-FILM MARK SENSOR
6	1	D920165	PART	BRACKET-PATCH_SENSOR
7	1	D920201	PART	CENTERPLATE-EXIT
8	3	F000338	PART	SPRING - COMP .250 X 1.000 X .040



SCALE 0.750

1. MATERIAL AND MANUFACTURING PROCESS MUST COMPLY WITH FARGO ENVIRONMENTAL SPECIFICATION S000503.
2. PACKAGE PER FARGO SPECIFICATION S000506.
3. ALL ELECTRONIC COMPONENTS OR COMPONENT ASSEMBLIES MUST BE MARKED WITH THE MANUFACTURERS NAME OR TRADE MARK, AND THE MANUFACTURERS TYPE CODE OR PART NUMBER. THIS INCLUDES MOTORS, FANS, SOLENOIDS, CIRCUIT BOARDS, ETC.
4. SUPPLIER CERTIFICATION OF COMPLIANCE IS REQUIRED WITH EACH SHIPMENT.

VER	REV	RECORD	ECO#	DATE	DRA/ENG
	A	PRODUCTION RELEASE	CI7577	3-FEB-10	JLS/JLS
	02	ADDED DRAWING	CI7557	25-JAN-10	JLS/JLS

DRAWN BY: JLS	DATE: 18-Jan-10		
	DIM UNITS: inch		
		DESCRIPTION: ASY - CENTERPLATE EXIT DS (NEO)	1 / 1
SCALE: 0.125	SIZE: B		
ASSY DWG		PROJECT: NEO	ASSY PART NUMBER: D930411-02 / ITEM NUMBER: D930411-02

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D930411-02	D930411-02	ASSEM

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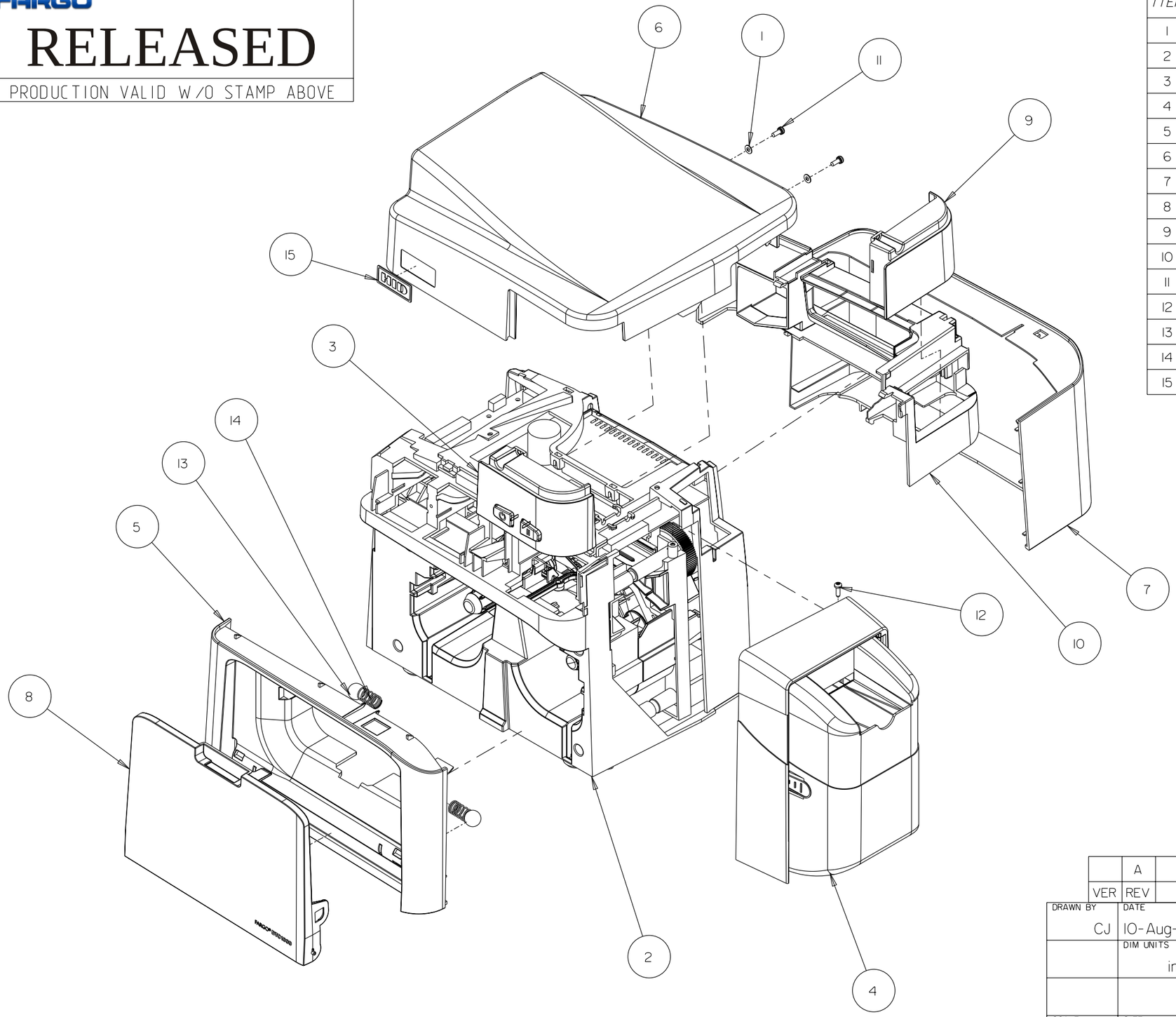

ITEM	QTY	ITEM NUMBER	TYPE	DESCRIPTION
1	2	140040	PART	WASHER 3MM FLAT
2	1	D930002	ASSEMBLY	ASY COMMON PRINT ENGINE
3	1	D930017	ASSEMBLY	COVER-BUTTON DISPLAY
4	1	D930022	ASSEMBLY	ASY-INPUT 100 CARD
5	1	D930180-02	PART	COVER-FRONT
6	1	D930181-02	PART	COVER-TOP
7	1	D930182-02	PART	COVER-BACK
8	1	D930183-01	PART	COVER-FRONT DOOR
9	1	D930189-02	PART	COVER-DISPLAY
10	1	D930280-01	PART	COVER-BACK-TOP
11	2	F000171	PART	SCREW-M3X8_TPH_ZP_SEM
12	1	F000178	PART	SCREW-#4-20X.375_TPH_ZP_PLAS
13	2	F000503	PART	BALL-STEEL
14	2	F000512	PART	SPRING-COMP-.437 X .875 X .032
15	1	L001393	PART	BADGE - HID

VER	REV	RECORD	ECO#	DATE	DRA/ENG
	A	INITIAL RELEASE	CI8140	22-Aug-10	CJ/CJ

DRAWN BY: CJ	DATE: 10-Aug-10	FARGO® Part of HID Global	**CONFIDENTIAL AND PROPRIETARY INFORMATION** This document contains confidential and proprietary information, which may not be duplicated, published, disseminated or disclosed to unintended third party recipients (or just: "third parties") or used for any purpose, without written permission from Fargo Electronics Inc.
	DIM UNITS: inch		
SCALE: 0.310	SIZE: B	DESCRIPTION: ASY PRINTER DTC1000 FD	1/1
ASSY DWG		PROJECT	ASSY PART NUMBER: D930001-01 / ITEM NUMBER: D930001-01

ENGINEERING USE ONLY

DRAWING FILE	ENGINEERING MODEL NAME	MODEL TYPE
D930001-01	D930003	ASSEM

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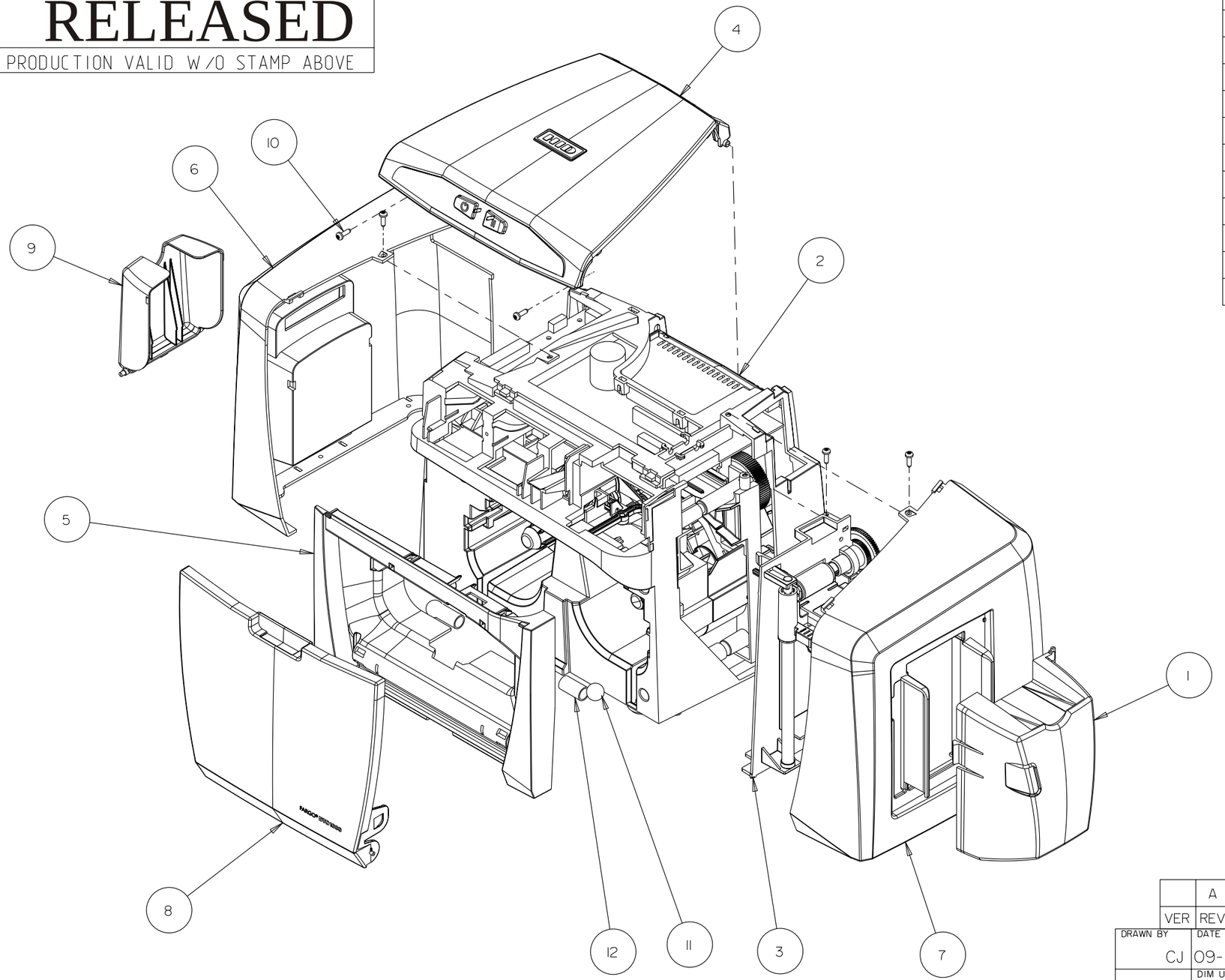

ITEM	QTY	ITEM NUMBER	TYPE	DESCRIPTION
1	1	D900067-01	PART	DOOR - INPUT
2	1	D930002	ASSEMBLY	ASY COMMON PRINT ENGINE
3	1	D930030	ASSEMBLY	ASY-INPUT-MECH-100 CARD
4	1	D930034-01	ASSEMBLY	ASY-COVER TOP
5	1	D930262	PART	COVER-FRONT
6	1	D930263-01	PART	COVER_LEFT
7	1	D930264-01	PART	COVER_RIGHT
8	1	D930265-01	PART	COVER-FRONT DOOR
9	1	D930269-01	PART	OUTPUT BIN
10	5	F000178	PART	SCREW-#4-20X.375_TPH_ZP_PLAS
11	2	F000503	PART	BALL-STEEL
12	2	F000504	PART	SPRING-COMP .420 X .875 X .035

	A	INITIAL RELEASE	C18140	22-Aug-10	CJ/CJ
VER	REV	RECORD	ECO#	DATE	DRA/ENG

DRAWN BY: CJ	DATE: 09-Aug-10
	DIM UNITS: inch
SCALE: 0.310	SIZE: B
ASSY DWG	

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DESCRIPTION: ASY-PRINTER DTC1000 — 1/1

PROJECT	ASSY PART NUMBER	ITEM NUMBER
	D930001	D930001

ENGINEERING USE ONLY

DRAWING FILE	ENGINEERING MODEL NAME	MODEL TYPE
D930001	D930001	ASSEM

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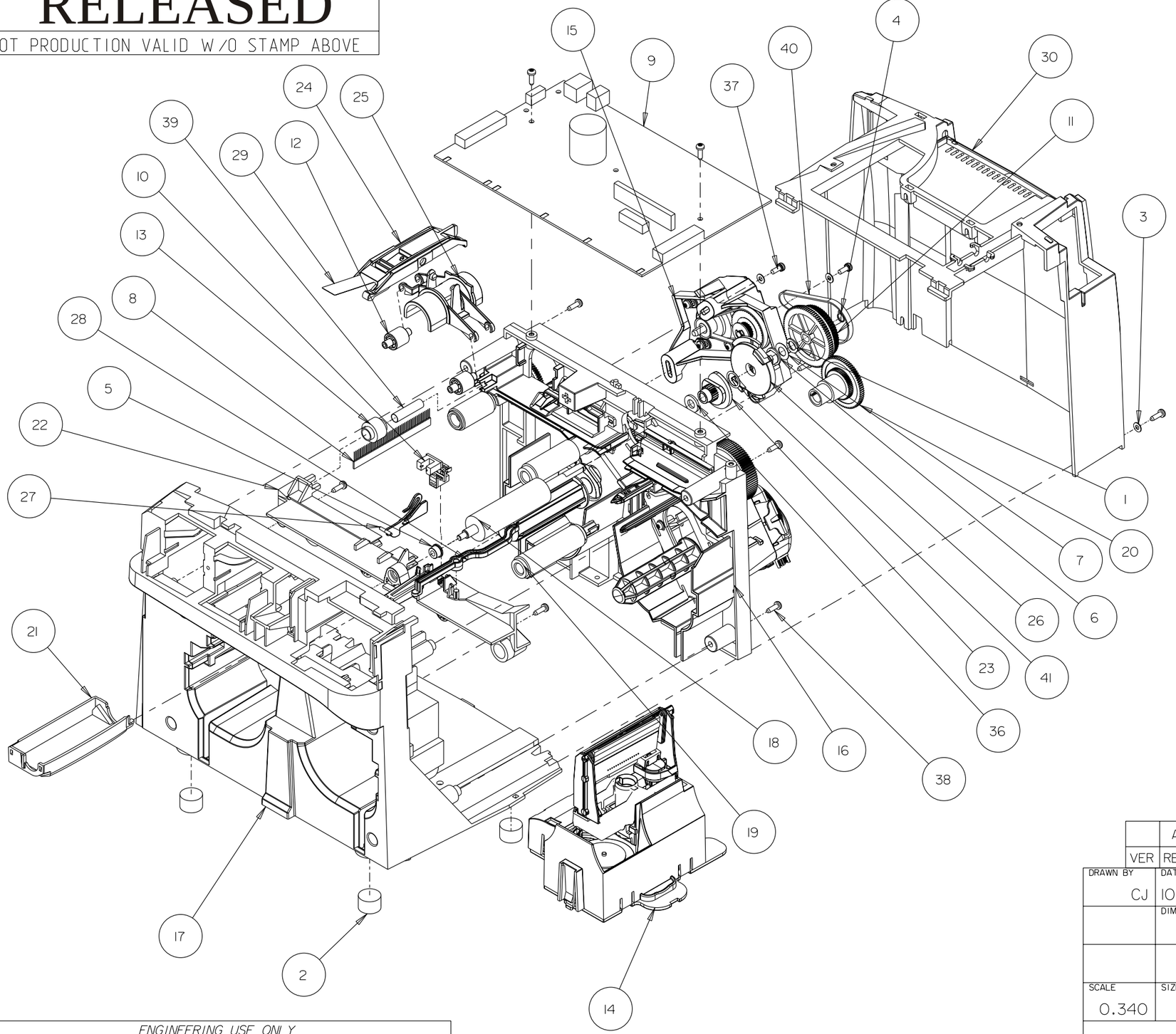

ITEM	QTY	ITEM NUMBER	TYPE	DESCRIPTION
1	1	130951	PART	WASHER-SPRING.269ID.423OD.006THK
2	4	140024	PART	FOOT-RUBBER BUMPER .62 DIA X .4
3	7	140040	PART	WASHER 3MM FLAT
4	1	140048	PART	RETAINING RING-EXT C .25 IN SHFT
5	1	760219	PART	BEARING-RIBBON_ROLLER
6	1	760343	PART	BEARING - DRIVE ROLLER
7	1	760386	PART	SPACER-CLUTCH
8	1	810253	PART	BRUSH-STATIC DISSIPATIVE
9	1	A930500	PART	ASY-PCB MAIN
10	1	A930513	ASSEMBLY	ASY-CARD COVER SENSOR
11	1	D900429	PART	MXL PULLEY- GEAR, COMBO
12	2	D910295	PART	ROLLER-CARD IDLER
13	1	D920013	ASSEMBLY	ROLLER- PINCH
14	1	D930012	ASSEMBLY	ASY HEADLIFT
15	1	D930028	ASSEMBLY	ASY STEPPER DRIVE
16	1	D930068	ASSEMBLY	ASY-REAR SIDEPLATE
17	1	D930100	PART	SIDEPLATE-FRONT
18	1	D930120	PART	ROLLER PLATEN
19	1	D930121	ASSEMBLY	ROLLER, CLEANING
20	1	D930124	PART	GEAR-DRIVE
21	1	D930129	PART	BRACKET RBN DEFLECTOR
22	1	D930130	PART	CARDPATH-FRONT
23	1	D930135	PART	CAM-PLATEN
24	1	D930136	PART	BRACKET-LIFT PINCH
25	1	D930137	PART	BRACKET-ROLLER PINCH
26	1	D930178	PART	BUSHING-TWISTLOCK
27	1	D930258	PART	FLAG-COVER SENSOR
28	1	D930260	PART	LEVER-CR-79/CR-80
29	1	D930266	PART	SPRING-PINCH ROLLERS
30	1	D930270-01	PART	COVER-BACK
31	1	D930600	ASSEMBLY	ASY-CBL MOTORS
32	1	D930603	ASSEMBLY	ASY-CBL-RFID
33	1	D930605	ASSEMBLY	ASY-CBL-ENC-SNR
34	1	D930613	ASSEMBLY	ASY-CBL CARD/COVER SENSOR
35	1	D930616	ASSEMBLY	ASY-CBL PRINT HEAD HARNESS
36	1	F000156	PART	SPACER-NYLON .257 X .500 X .062
37	2	F000171	PART	SCREW-M3X8_TPH_ZP_SEM
38	14	F000178	PART	SCREW-#4-20X.375_TPH_ZP_PLAS
39	1	F000338	PART	SPRING - COMP .250 X 1.000 X .040
40	1	F000424	PART	BELT, 81 GRV, .080P, .157" W
41	1	F000518	PART	WASHER .377 ID .498 OD .005 THK

VER	REV	RECORD	ECO#	DATE	DRA/ENG
	A	INITIAL RELEASE	C18109	10-Aug-10	CJ/CJ

DRAWN BY	CJ
DATE	10-Aug-10
DIM UNITS	inch
SCALE	0.340
SIZE	B

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DESCRIPTION: ASY COMMON PRINT ENGINE 1/1

ASSY DWG

PROJECT

ASSY PART NUMBER: D930002

ITEM NUMBER: D930002

ENGINEERING USE ONLY

DRAWING FILE	ENGINEERING MODEL NAME	MODEL TYPE
D930002	D930002	ASSEM

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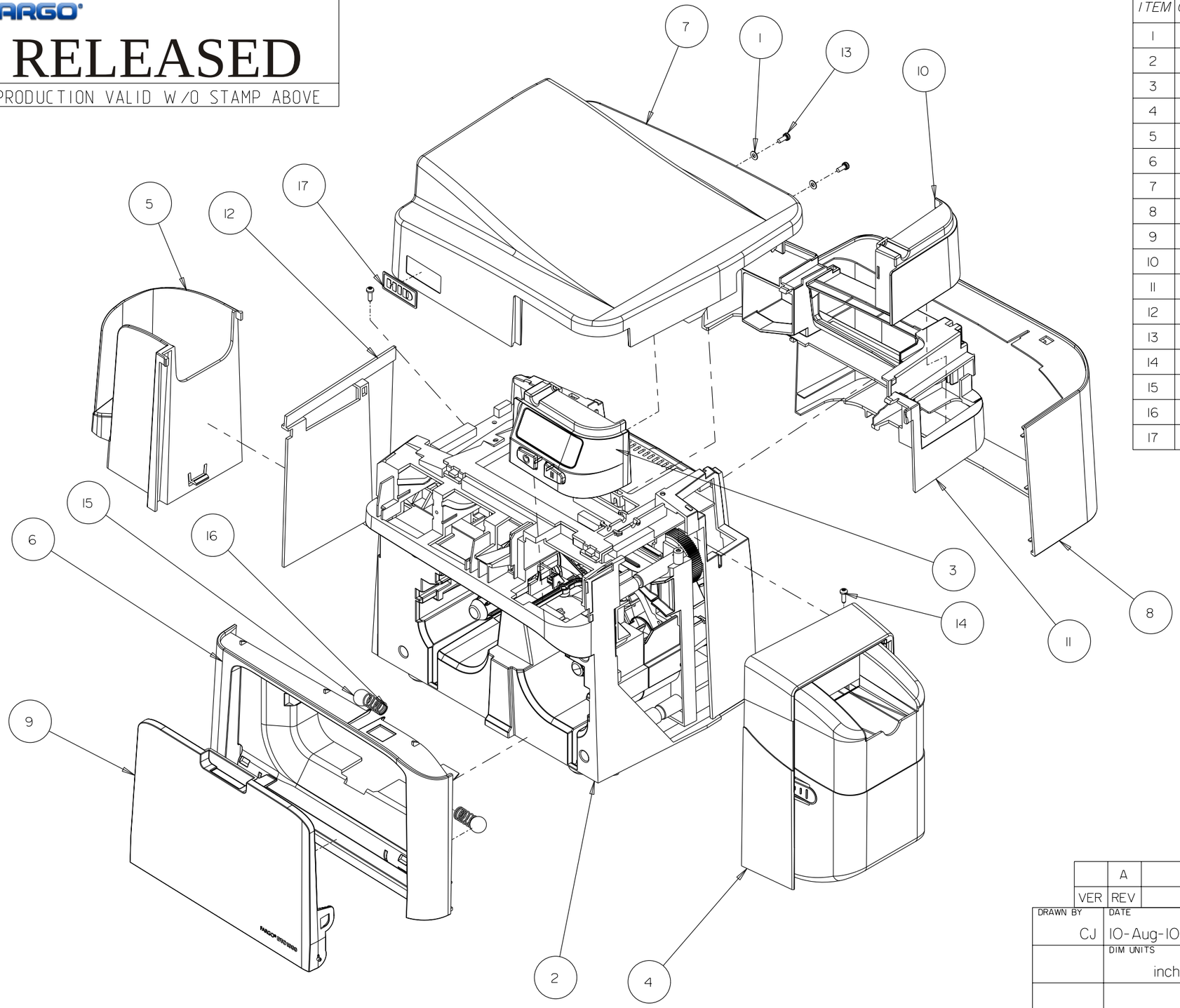

ITEM	QTY	ITEM NUMBER	TYPE	DESCRIPTION
1	2	140040	PART	WASHER 3MM FLAT
2	1	D930002	ASSEMBLY	ASY COMMON PRINT ENGINE
3	1	D930018	ASSEMBLY	ASY-COVER-LCD/BUTTON DISPLAY
4	1	D930022	ASSEMBLY	ASY-INPUT 100 CARD
5	1	D930033	ASSEMBLY	ASY OUTPUT BIN
6	1	D930180-01	PART	COVER-FRONT
7	1	D930181-01	PART	COVER-TOP
8	1	D930182-01	PART	COVER-BACK
9	1	D930183-02	PART	COVER-FRONT DOOR
10	1	D930189-01	PART	COVER-DISPLAY
11	1	D930280-01	PART	COVER-BACK-TOP
12	1	D930281-01	PART	COVER-OUTPUT
13	2	F000171	PART	SCREW-M3X8_TPH_ZP_SEM
14	2	F000178	PART	SCREW-#4-20X.375_TPH_ZP_PLAS
15	2	F000503	PART	BALL-STEEL
16	2	F000512	PART	SPRING-COMP-.437 X .875 X .032
17	1	L001393	PART	BADGE - HID

VER	REV	RECORD	ECO#	DATE	DRA/ENG
	A	INITIAL RELEASE	CI8140	22-Aug-10	CJ/CJ

DRAWN BY	CJ
DATE	10-Aug-10
DIM UNITS	inch
SCALE	0.310
SIZE	B

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DESCRIPTION: ASY PRINTER DTC4000 — 1/1

ASSY DWG

PROJECT

ASSY PART NUMBER: D930000

ITEM NUMBER: D930000

ENGINEERING USE ONLY

DRAWING FILE	ENGINEERING MODEL NAME	MODEL TYPE
D930000-01	D930003	ASSEM

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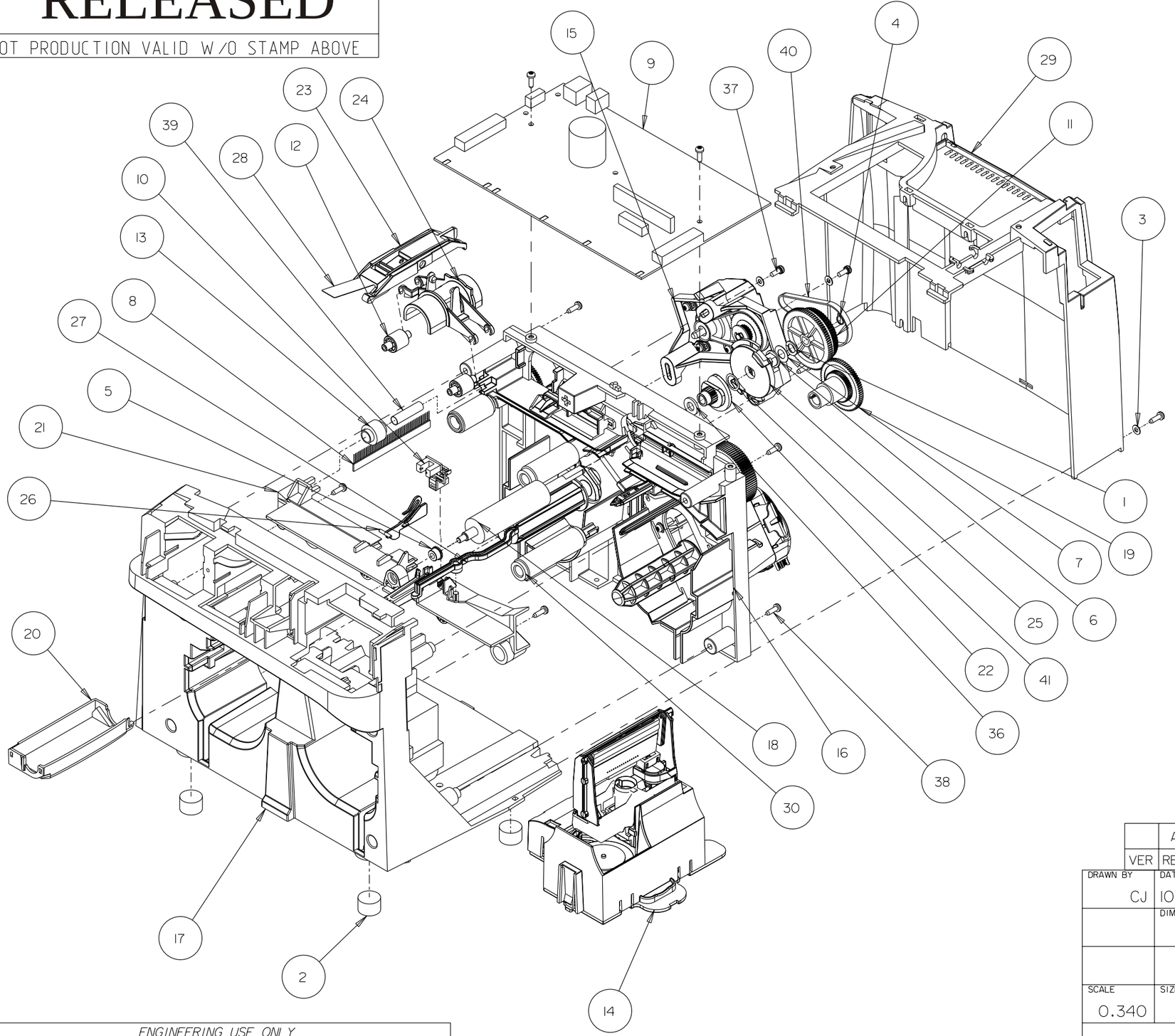

ITEM	QTY	ITEM NUMBER	TYPE	DESCRIPTION
1	1	130951	PART	WASHER-SPRING.269ID.423OD.006THK
2	4	140024	PART	FOOT-RUBBER BUMPER .62 DIA X .4
3	7	140040	PART	WASHER 3MM FLAT
4	1	140048	PART	RETAINING RING-EXT C .25 IN SHFT
5	1	760219	PART	BEARING-RIBBON_ROLLER
6	1	760343	PART	BEARING - DRIVE ROLLER
7	1	760386	PART	SPACER-CLUTCH
8	1	810253	PART	BRUSH-STATIC DISSIPATIVE
9	1	A930500	PART	ASY-PCB MAIN
10	1	A930513	ASSEMBLY	ASY-CARD COVER SENSOR
11	1	D900429	PART	MXL PULLEY- GEAR, COMBO
12	2	D910295	PART	ROLLER-CARD IDLER
13	1	D920013	ASSEMBLY	ROLLER- PINCH
14	1	D930012	ASSEMBLY	ASY HEADLIFT
15	1	D930028	ASSEMBLY	ASY STEPPER DRIVE
16	1	D930068	ASSEMBLY	ASY-REAR SIDEPLATE
17	1	D930100	PART	SIDEPLATE-FRONT
18	1	D930120	PART	ROLLER PLATEN
19	1	D930124	PART	GEAR-DRIVE
20	1	D930129	PART	BRACKET RBN DEFLECTOR
21	1	D930130	PART	CARDPATH-FRONT
22	1	D930135	PART	CAM-PLATEN
23	1	D930136	PART	BRACKET-LIFT PINCH
24	1	D930137	PART	BRACKET-ROLLER PINCH
25	1	D930178	PART	BUSHING-TWISTLOCK
26	1	D930258	PART	FLAG-COVER SENSOR
27	1	D930260	PART	LEVER-CR-79/CR-80
28	1	D930266	PART	SPRING-PINCH ROLLERS
29	1	D930270-01	PART	COVER-BACK
30	1	D930336	ASSEMBLY	ROLLER, CLEANING
31	1	D930600	ASSEMBLY	ASY-CBL MOTORS
32	1	D930603	ASSEMBLY	ASY-CBL-RFID
33	1	D930605	ASSEMBLY	ASY-CBL-ENC-SNR
34	1	D930613	ASSEMBLY	ASY-CBL CARD/COVER SENSOR
35	1	D930616	ASSEMBLY	ASY-CBL PRINT HEAD HARNESS
36	1	F000156	PART	SPACER-NYLON .257 X .500 X .062
37	2	F000171	PART	SCREW-M3X8_TPH_ZP_SEM
38	14	F000178	PART	SCREW-#4-20X.375_TPH_ZP_PLAS
39	1	F000338	PART	SPRING - COMP .250 X 1.000 X .040
40	1	F000424	PART	BELT, 81 GRV, .080P, .157" W
41	1	F000518	PART	WASHER .377 ID .498 OD .005 THK

VER	REV	RECORD	ECO#	DATE	DRA/ENG
	A	INITIAL RELEASE	C18109	10-Aug-10	CJ/CJ

DRAWN BY: CJ	DATE: 10-Aug-10		
	DIM UNITS: inch		
SCALE: 0.340	SIZE: B	DESCRIPTION: ASY COMMON PRINT ENGINE 4500	1/1
ASSY DWG		PROJECT	ASSY PART NUMBER: D930002-01 / ITEM NUMBER: D930002-01

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D930002	D930002	ASSEM

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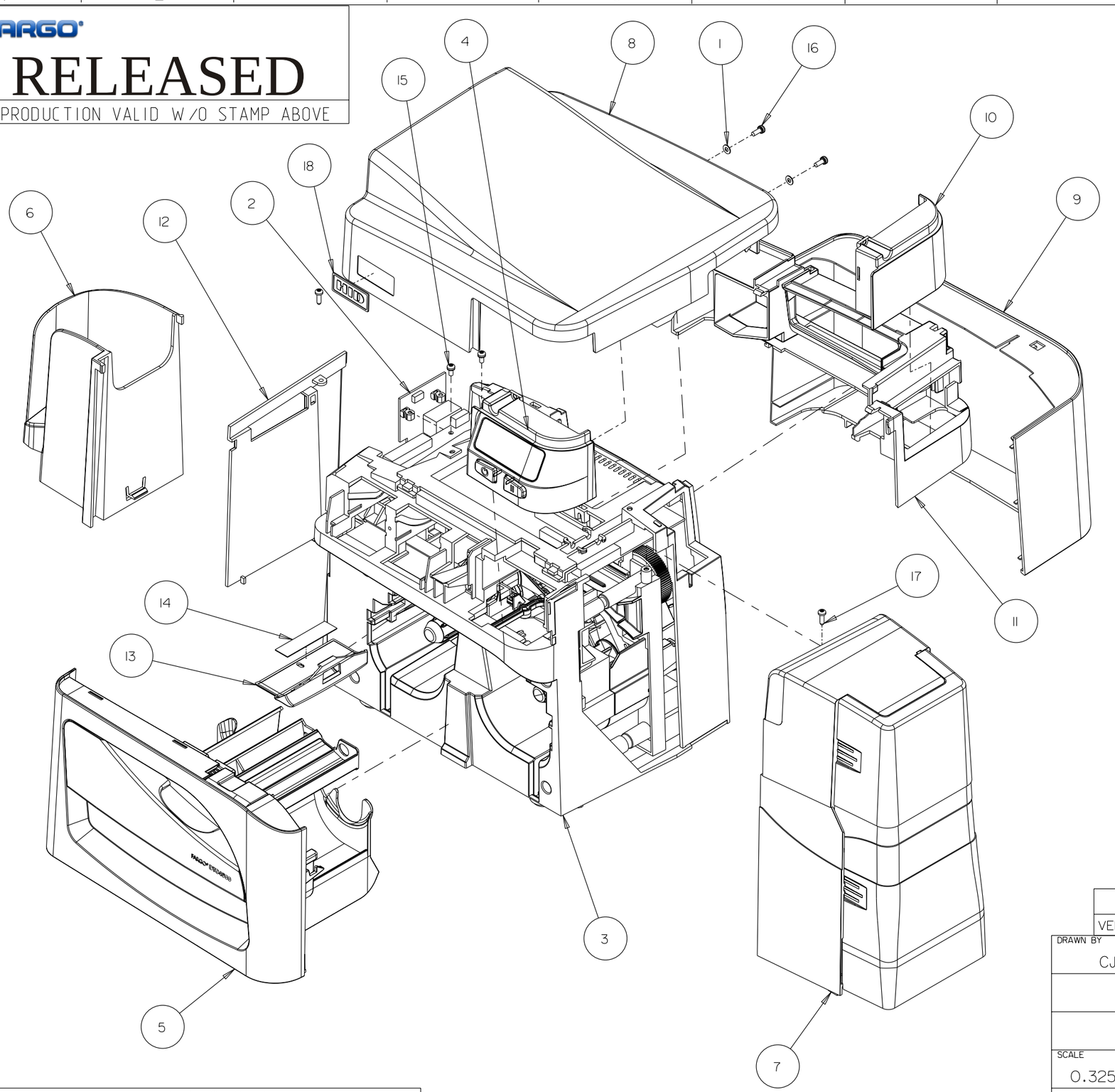

ITEM	QTY	ITEM NUMBER	TYPE	DESCRIPTION
1	2	140040	PART	WASHER 3MM FLAT
2	1	A930510	PART	ASY PCB ETHERNET CONTROLLER
3	1	D930002-01	ASSEMBLY	ASY COMMON PRINT ENGINE 4500
4	1	D930018	ASSEMBLY	ASY-COVER-LCD/BUTTON DISPLAY
5	1	D930020	ASSEMBLY	ASY-RIBBON CARTRIDGE
6	1	D930033	ASSEMBLY	ASY OUTPUT BIN
7	1	D930039	ASSEMBLY	ASY-DUAL INPUT
8	1	D930181-01	PART	COVER-TOP
9	1	D930182-01	PART	COVER-BACK
10	1	D930189-01	PART	COVER-DISPLAY
11	1	D930280-01	PART	COVER-BACK-TOP
12	1	D930281-01	PART	COVER-OUTPUT
13	1	D930352	PART	BRACKET-RIBBON DEFLECTOR DTC4500
14	2.0	F000145	PART	TAPE VHB CLEAR .5 .020"THK
15	2	F000170	PART	SCREW-M3X6_TPH_ZP_SEM
16	2	F000171	PART	SCREW-M3X8_TPH_ZP_SEM
17	2	F000178	PART	SCREW-#4-20X.375_TPH_ZP_PLAS
18	1	L001393	PART	BADGE - HID

VER	REV	RECORD	ECO#	DATE	DRA/ENG
	A	INITIAL RELEASE	C18109	16-Aug-10	CJ/CJ

DRAWN BY	CJ
DATE	22-Jul-10
DIM UNITS	inch
SCALE	0.325
SIZE	B

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DESCRIPTION: ASY PRINTER DTC4500 — 1 / 1

ASSY DWG

PROJECT

ASSY PART NUMBER: D930003

ITEM NUMBER: D930003

ENGINEERING USE ONLY

DRAWING FILE	ENGINEERING MODEL NAME	MODEL TYPE
D930003	D930003	ASSEM

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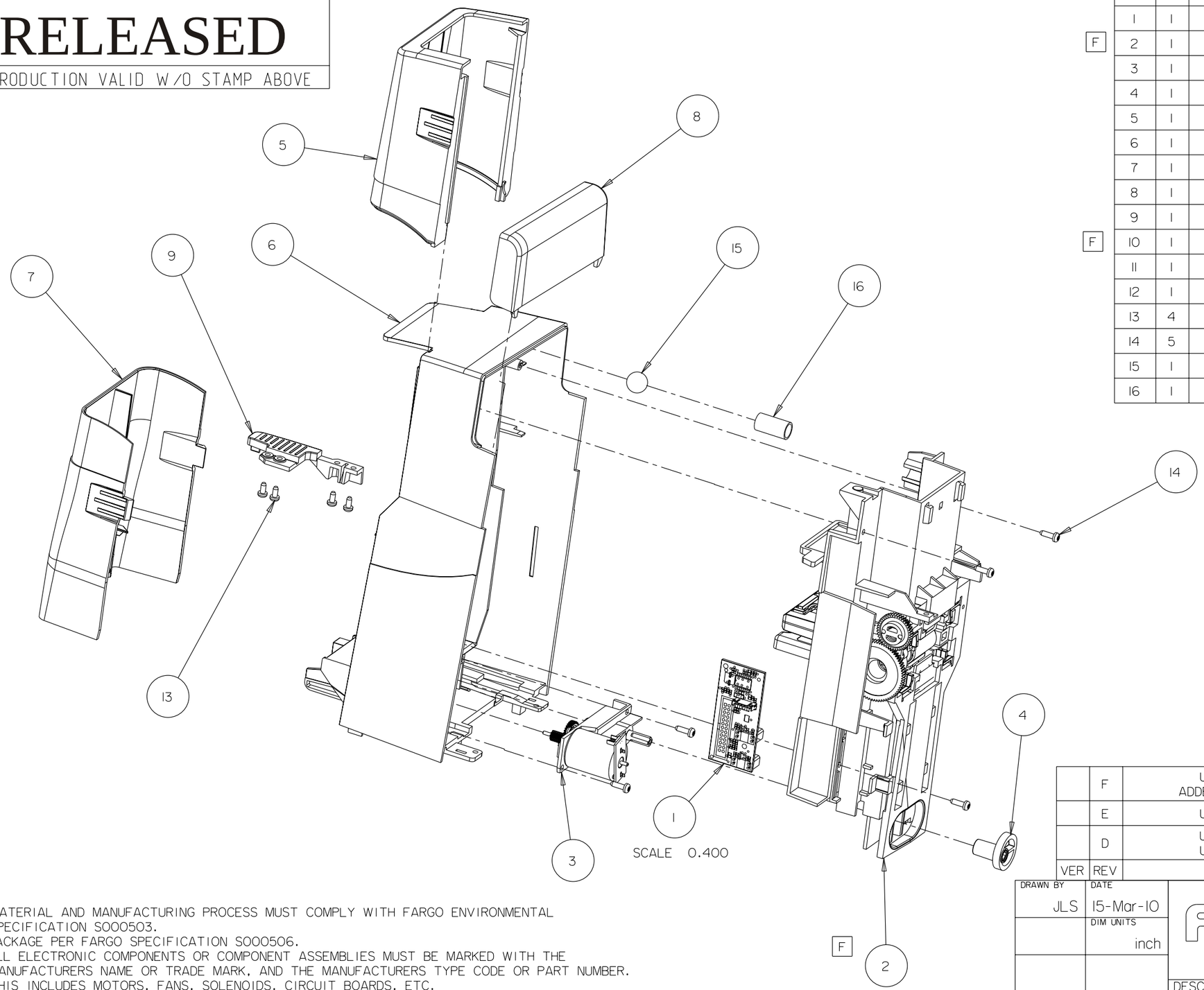
RELEASED

NOT PRODUCTION VALID W/O STAMP ABOVE



ITEM	QTY	ITEM NUMBER	TYPE	DESCRIPTION
1	1	A930504	ASSEMBLY	ASY PCB INPUT CONTROLLER
2	1	D930035	ASSEMBLY	ASY-FRAME-DUAL INPUT
3	1	D930038	ASSEMBLY	ASY-INPUT GEARS
4	1	D930174	PART	CAM- INPUT
5	1	D930199-01	PART	COVER-INPUT DUAL
6	1	D930202-01	PART	HOUSING-INPUT DUAL
7	1	D930273-01	PART	DOOR-INPUT DUAL LOWER
8	1	D930283-01	PART	COVER-INPUT CAP
9	1	D930304	PART	HANDLE DUAL HOPPER
10	1	D930312	PART	FOAM-CARD BLOCK
11	1	D930622	ASSEMBLY	ASY CBL MTR DUAL INPUT
12	1	D930623	ASSEMBLY	ASY CBL RBN INPUT
13	4	F000176	PART	SCREW-#4-20X.250_TPH_ZP_PLAS
14	5	F000178	PART	SCREW-#4-20X.375_TPH_ZP_PLAS
15	1	F000503	PART	BALL-STEEL
16	1	F000504	PART	SPRING-COMP .420 X .875 X .035

1) CABLES NOT SHOWN FOR CLARITY
2) D930312 FOAM CARD BLOCK IS USED FOR SHIPPING ONLY AND IS NOT SHOWN

1. MATERIAL AND MANUFACTURING PROCESS MUST COMPLY WITH FARGO ENVIRONMENTAL SPECIFICATION S000503.
2. PACKAGE PER FARGO SPECIFICATION S000506.
3. ALL ELECTRONIC COMPONENTS OR COMPONENT ASSEMBLIES MUST BE MARKED WITH THE MANUFACTURERS NAME OR TRADE MARK, AND THE MANUFACTURERS TYPE CODE OR PART NUMBER. THIS INCLUDES MOTORS, FANS, SOLENOIDS, CIRCUIT BOARDS, ETC.
4. SUPPLIER CERTIFICATION OF COMPLIANCE IS REQUIRED WITH EACH SHIPMENT.

VER	REV	RECORD	ECO#	DATE	DRA/ENG
	F	UPDATE D930035 TO REV E ADDED D930312 FOAM CARD BLOCK	CI8055	18-AUG-10	DBC/JLS
	E	UPDATE D930035 TO REV D	CI8095	05-AUG-10	DBC/JLS
	D	UPDATE D930035 TO REV C UPDATE D930038 TO REV B	CI8049	23-JUL-10	DBC/JLS

ENGINEERING USE ONLY		
DRAWING FILE	ENGINEERING MODEL NAME	MODEL TYPE
D930039	D930039	ASSEM

DRAWN BY	JLS
DATE	15-Mar-10
DIM UNITS	inch
SCALE	0.250
SIZE	B

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DESCRIPTION: ASY-DUAL INPUT — 1/1

ASSY DWG

PROJECT	ASSY PART NUMBER	ITEM NUMBER
NEO	D930039	D930039

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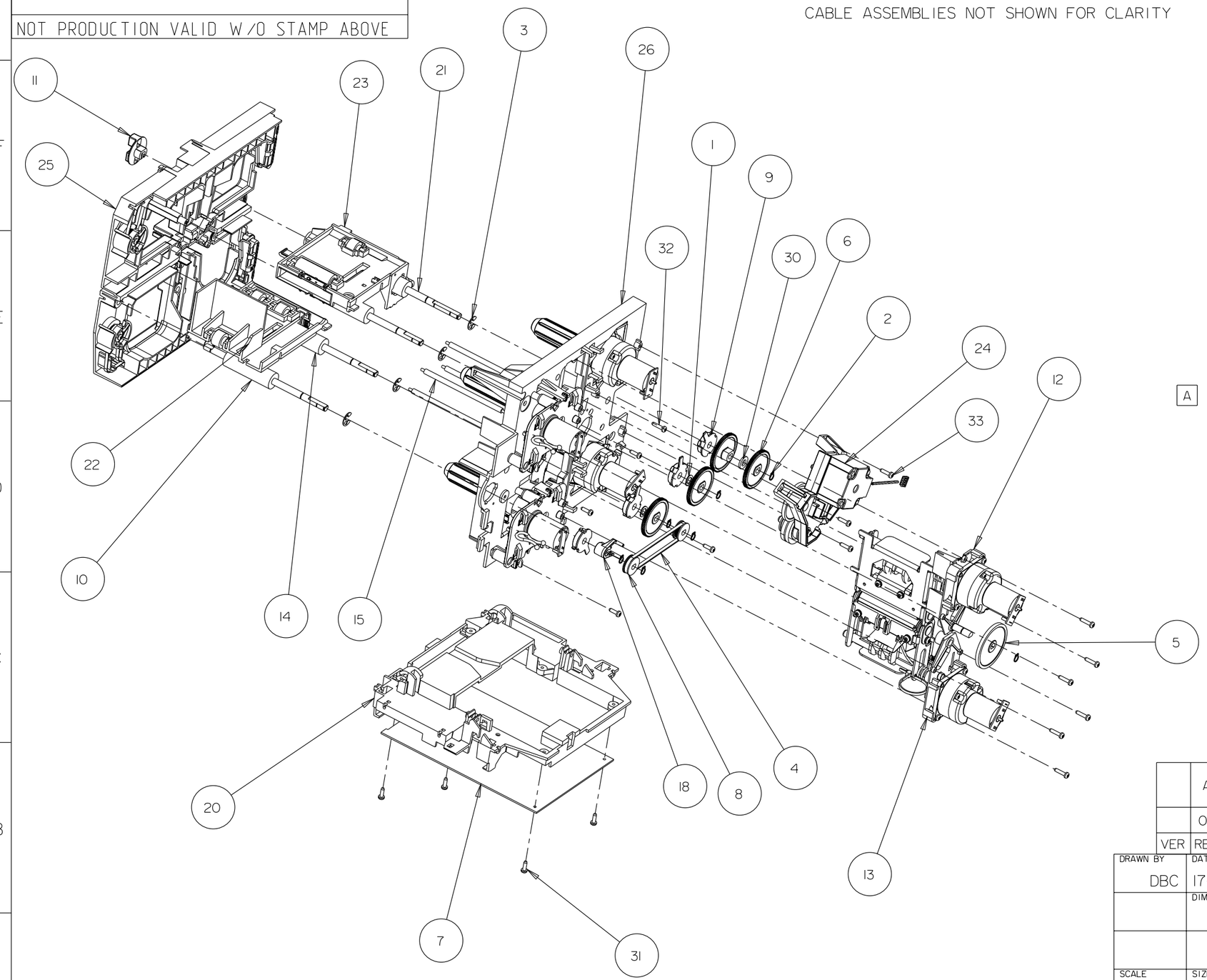
CABLE ASSEMBLIES NOT SHOWN FOR CLARITY



ITEM	QTY	ITEM NUMBER	TYPE	DESCRIPTION
1	2	130951	PART	WASHER-SPRING.269ID.423OD.006THK
2	7	140048	PART	RETAINING RING-EXT C .25 IN SHFT
3	4	140062	PART	RETAINING RING-EXT E .250 IN SHFT
4	1	220082	PART	BELT-105 GRV 125 W MXL
5	1	810265	PART	GEAR-PLATEN CARD DRIVE
6	4	810266	PART	GEAR-CARD TRANSPORT DRIVE
7	1	A920221	ASSEMBLY	ASY MAIN BOARD H5KL W/SOFT-START
8	2	D850190	PART	PULLEY-MAIN
9	4	D900046	PART	SHAFT BUSHING
10	1	D920015	PART	ROLLER-INPUT
11	1	D920016	PART	KNOB- GEAR TRAIN LAM
12	1	D920022	ASSEMBLY	ASY LAM HEAD TOP
13	1	D920023	ASSEMBLY	ASY LAM HEAD BOTTOM
14	2	D920119-01	PART	ROLLER- FEED HIGH COF
15	4	D920137	PART	SHAFT- LAM PEEL
16	2	D920147	ASSEMBLY	ASY-CBL-ENC-SNR
17	2	D920153	ASSEMBLY	ASY-CBL-HEADLIFT MOTORS
18	1	D920168	PART	TENSIONER-BELT
19	1	D920175	ASSEMBLY	ASY-CBL-RFID
20	1	D920212	PART	BRACKET-LAM PRINT ATTACH
21	1	D920218	PART	ROLLER-INPUT-FLIPSIDE
22	1	D930410	ASSEMBLY	ASY - CENTERPLATE INPUT
23	1	D93041I-02	ASSEMBLY	ASY - CENTERPLATE EXIT DS (NEO)
24	1	D930413	ASSEMBLY	ASY - STEPPER DRIVE LAM
25	1	D930414-02	ASSEMBLY	ASY - FRONT SIDEPLATE L2
26	1	D930415-02	ASSEMBLY	ASY- REAR SIDEPLATE L2
27	1	D930619	ASSEMBLY	ASY-CBL-DS-RFID
28	1	D930621	ASSEMBLY	ASY CBL RBN FLIP LAM
29	1	E000508	PART	FERRITE-SNAP ON
30	1	F000156	PART	SPACER-NYLON .257 X .500 X .062
31	8	F000178	PART	SCREW-#4-20X.375_TPH_ZP_PLAS
32	7	F000182	PART	SCREW-#4-20X.500_TPH_ZP_PLAS
33	3	F000463	PART	SCREW-4-20X438 TPH ZP PLAS

VER	REV	RECORD	ECO#	DATE	DRA/ENG
	A	PRODUCTION RELEASE, UPDATED NAME D930218 WAS ROLLER-INPUT, NOW ROLLER-INPUT-FLIPSIDE	CI8054	27-JUL-10	DBC/JLS
	03	ADDED DRAWING, CHANGED DESCRIPTION	CI7660	17-Feb-10	DBC/JLS

DRAWN BY	DBC
DATE	17-Feb-10
DIM UNITS	inch
SCALE	0.059
SIZE	B

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DESCRIPTION: ASY LAM MECH DS 1/1

ASSY DWG

PROJECT

ASSY PART NUMBER: D930400-02

ITEM NUMBER: D930400-02

ENGINEERING USE ONLY

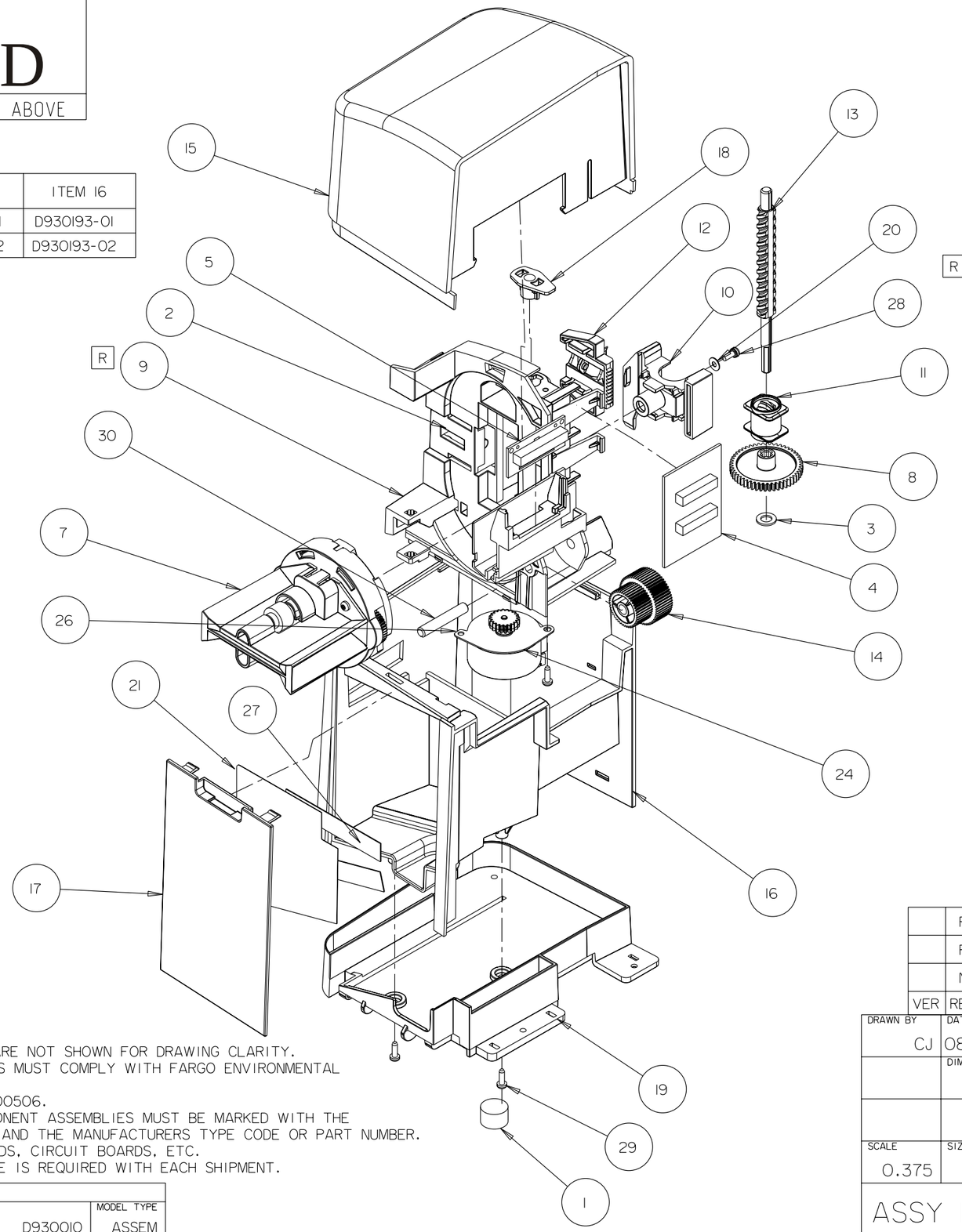
DRAWING FILE	ENGINEERING MODEL NAME	MODEL TYPE
D930400-02	D930400-02	ASSEM

FARGO

RELEASED

NOT PRODUCTION VALID W/O STAMP ABOVE

PART NUMBER	COLOR	ITEM 15	ITEM 16
D930010-01	BLACK	D930192-01	D930193-01
D930010-02	SILVER	D930192-02	D930193-02



ITEM	QTY	ITEM NUMBER	TYPE	DESCRIPTION
1	1	140024	PART	FOOT-RUBBER BUMPER .62 DIA X .4
2	2	150175	PART	SPRING-COMP .240 X .562 X .016
3	1	771632	PART	WASHER - SUPP SUPPORT
4	1	A930503	PART	ASY-PCB OUTPUT CONTROLLER
5	1	A930512	PART	ASY-PCB FLIPPER INTERFACE
6	1	D900113	ASSEMBLY	ASY-CBL HDLFT SNR
7	1	D930011	ASSEMBLY	ASY-FLIPPER TABLE
8	1	D930106	PART	GEAR 0.8 MODULE 50 TOOTH
9	1	D930145	PART	FRAME FLIPPER SHORT
10	1	D930150	PART	BRACKET TABLE MOUNT
11	1	D930152	PART	NUT LEAD SCREW
12	1	D930153	PART	BRACKET GEAR RACK FLIP
13	1	D930155	PART	SCREW LEAD FLIP SHRT SPLT
14	1	D930163	PART	GEAR COMBO FLIP 42T X 56T
15	1	D930192-XX	PART	COVER FLIPPER TOP
16	1	D930193-XX	PART	COVER FLIPPER CARD BIN
17	1	D930194-01	PART	COVER FLIPPER DOOR
18	1	D930234	PART	BUSHING SCREW TWIST-LOCK
19	1	D930254-01	PART	COVER-FLIPPER-BASE
20	1	D930272	PART	WASHER 3.2mm X 8mm X.5mm
21	1	D930351	PART	FLIPPER - SHIELD
22	1	D930609	ASSEMBLY	ASY-IR-SENSOR-PAIR
23	1	D930610	ASSEMBLY	ASY-CBL-STEPPER MOTOR
24	1	D930611	ASSEMBLY	ASY-CBL-RIBBON-FLIPPER
25	1	E000508	PART	FERRITE-SNAP ON
26	1	E001192	ASSEMBLY	MOTOR STEPPER 7.5 DEG NMB
27	6	F000145	PART	"TAPE,VHB CLEAR X .5 .020"" THK"
28	1	F000171	PART	SCREW-M3X8_TPH_ZP_SEM
29	4	F000178	PART	SCREW-#4-20X.375_TPH_ZP_PLAS
30	1	F000494	PART	DOWEL PIN 6MM X 36

NOTES:

1. CABLES AND ELECTRICAL COMPONENTS ARE NOT SHOWN FOR DRAWING CLARITY.
2. MATERIAL AND MANUFACTURING PROCESS MUST COMPLY WITH FARGO ENVIRONMENTAL SPECIFICATION S000503.
3. PACKAGE PER FARGO SPECIFICATION S000506.
4. ALL ELECTRONIC COMPONENTS OR COMPONENT ASSEMBLIES MUST BE MARKED WITH THE MANUFACTURERS NAME OR TRADE MARK, AND THE MANUFACTURERS TYPE CODE OR PART NUMBER. THIS INCLUDES MOTORS, FANS, SOLENOIDS, CIRCUIT BOARDS, ETC.
5. SUPPLIER CERTIFICATION OF COMPLIANCE IS REQUIRED WITH EACH SHIPMENT.

ENGINEERING USE ONLY		
DRAWING FILE	ENGINEERING MODEL NAME	MODEL TYPE
D930010	D930010	ASSEM

VER	REV	RECORD	ECO#	DATE	DRA/ENG
	R	UPDATE D930145 TO REV C	CI8130	11-OCT-10	DBC/JRS
	P	UPDATE D930351 TO REV B	CI8247	22-SEP-10	DBC/JLS
	N	UPDATE D930011 TO REV D	CI8149	23-AUG-10	DBC/JLS

DRAWN BY	CJ
DATE	08-Feb-10
DIM UNITS	inch
SCALE	0.375
SIZE	B

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DESCRIPTION: ASY FLIPPER SHORT 1/1

ASSY DWG

PROJECT	ASSY PART NUMBER	ITEM NUMBER
NEO	D930010	D930010

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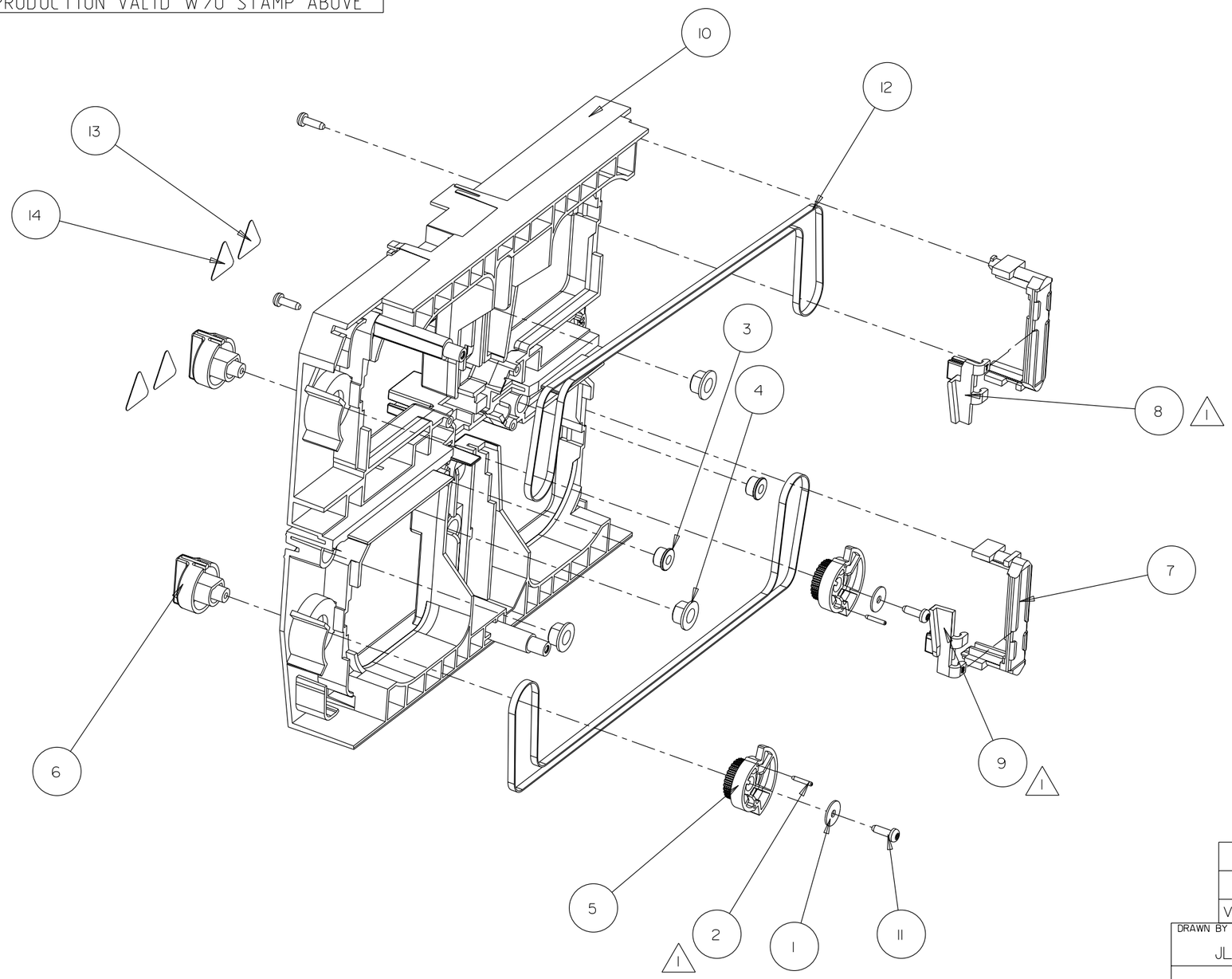

ITEM	QTY	ITEM NUMBER	TYPE	DESCRIPTION
1	2	130876	PART	WASHER .125 ID .437 OD .03 THK
2	2	130952	PART	DOWEL PIN .062 X .375
3	2	760219	PART	BEARING - RBN ROLLER
4	3	760343	PART	BEARING - DRIVE ROLLER
5	2	D920138	PART	PULLEY-LAM CART ADJUSTMENT
6	2	D920139-01	PART	KNOB-LAM CARTRIDGE ADJUSTMENT
7	2	D920204	PART	SLIDE GUIDE
8	1	D920205	PART	Slide - Wedge - Top
9	1	D920206	PART	Slide - Wedge - Bottom
10	1	D920208	ASSEMBLY	SIDEPLATE - FRONT
11	4	F000178	PART	SCREW-#4-20X.375_TPH_ZP_PLAS
12	2	F000427	PART	BELT-310 GRV .125 W .080MXL
13	2	L000822	PART	LABEL-WARNING-CRUSH
14	2	L000953	PART	LABEL-WARNING-HOT

NOTES:

1. 2X PINS 130952 ARE PRESSED INTO D920138 USING FIXTURE TL2097. SLIDE WEDGES D930205 AND D930206 ALIGNMENTS ARE CRITICAL AND WILL BE SET IN THE SAME FIXTURE

VER	REV	RECORD	ECO#	DATE	DRA/ENG
	A	PRODUCTION RELEASE	CI7860	21-APR-10	JLS/JLS
	02	ADDED DRAWING	CI7558	26-JAN-10	JLS/JLS

DRAWN BY	JLS
DATE	19-Jan-10
DIM UNITS	inch
SCALE	0.500
SIZE	B

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DESCRIPTION: ASY - FRONT SIDEPLATE L2 | 1/1

ASSY DWG

PROJECT	ASSY PART NUMBER	ITEM NUMBER
NEO	D930414-02	D930414-02

ENGINEERING USE ONLY

DRAWING FILE	ENGINEERING MODEL NAME	MODEL TYPE
D930414-02	D930414-02	ASSEM

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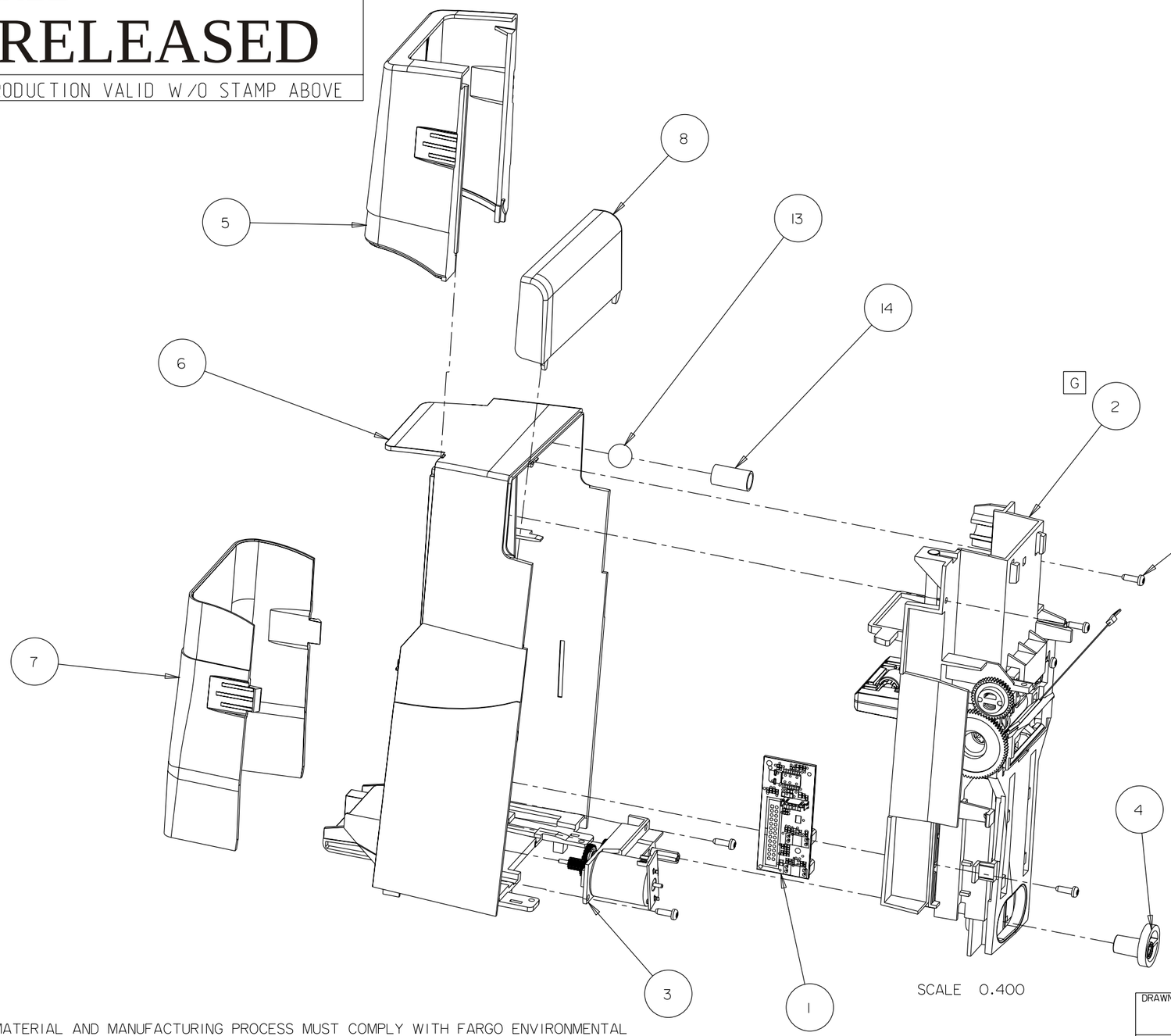

SCALE 0.400

ITEM	QTY	ITEM NUMBER	TYPE	DESCRIPTION
1	1	A930504	ASSEMBLY	ASY PCB INPUT CONTROLLER
G 2	1	D930036	ASSEMBLY	ASY-FRAME-INPUT/OUTPUT
3	1	D930038	ASSEMBLY	ASY-INPUT GEARS
4	1	D930174	PART	CAM- INPUT
5	1	D930199-01	PART	COVER-INPUT DUAL
6	1	D930202-01	PART	HOUSING-INPUT DUAL
7	1	D930273-02	PART	DOOR-INPUT IN-OUT LOWER
8	1	D930283-01	PART	COVER-INPUT CAP
G 9	1	D930312	PART	FOAM-CARD BLOCK
10	1	D930623	ASSEMBLY	ASY CBL RBN INPUT
11	1	D930624	ASSEMBLY	ASY CBL MTR INPUT/OUTPUT
12	5	F000178	PART	SCREW-#4-20X.375_TPH_ZP_PLAS
13	1	F000503	PART	BALL-STEEL
14	1	F000504	PART	SPRING-COMP .420 X .875 X .035

1) CABLES NOT SHOWN FOR CLARITY
2) D930312 FOAM CARD BLOCK IS USED FOR SHIPPING ONLY AND IS NOT SHOWN

1. MATERIAL AND MANUFACTURING PROCESS MUST COMPLY WITH FARGO ENVIRONMENTAL SPECIFICATION S000503.
2. PACKAGE PER FARGO SPECIFICATION S000506.
3. ALL ELECTRONIC COMPONENTS OR COMPONENT ASSEMBLIES MUST BE MARKED WITH THE MANUFACTURERS NAME OR TRADE MARK, AND THE MANUFACTURERS TYPE CODE OR PART NUMBER. THIS INCLUDES MOTORS, FANS, SOLENOIDS, CIRCUIT BOARDS, ETC.
4. SUPPLIER CERTIFICATION OF COMPLIANCE IS REQUIRED WITH EACH SHIPMENT.

	REV	RECORD	ECO#	DATE	DRA/ENG
	G	UPDATE D930036 TO REV F ADDED D930312 FOAM CARD BLOCK	CI8055	18-AUG-10	DBC/JLS
	F	UPDATE D930036 TO REV E	CI8095	05-AUG-10	DBC/JLS
	E	REV CHANGE TO D930036	CI8006	02-AUG-10	CAR/RF

ENGINEERING USE ONLY		
DRAWING FILE	ENGINEERING MODEL NAME	MODEL TYPE
D930040	D930040	ASSEM

DRAWN BY: JLS	DATE: 15-Mar-10		
	DIM UNITS: inch		
SCALE: 0.250	SIZE: B	DESCRIPTION: ASY-INPUT/OUTPUT	1/1
ASSY DWG	PROJECT: NEO	ASSY PART NUMBER: D930040	ITEM NUMBER: D930040

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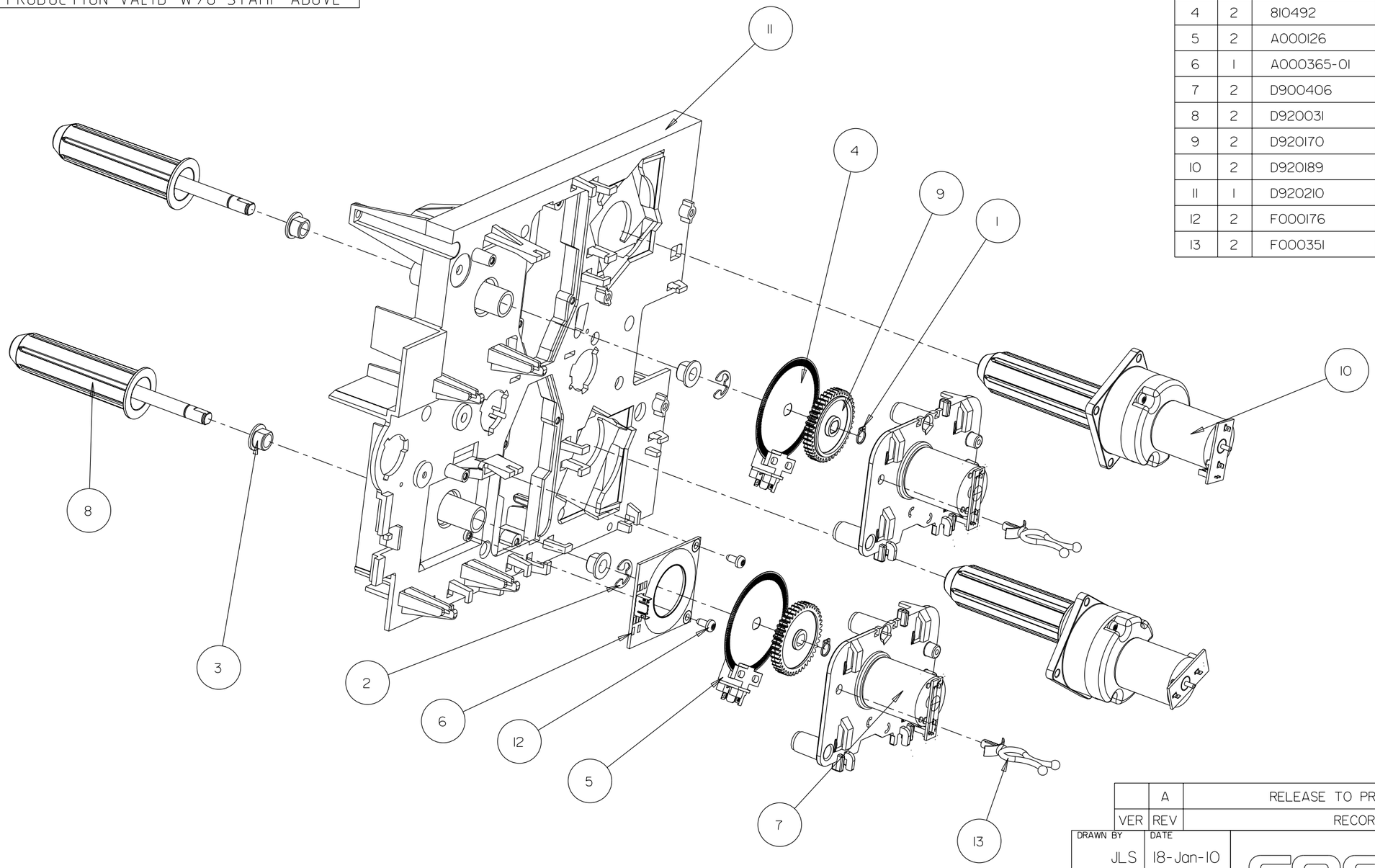
ITEM	QTY	ITEM NUMBER	TYPE	DESCRIPTION
1	2	140048	PART	RETAINING RING-EXT C .25 IN SHFT
2	2	140062	PART	RETAINING RING-EXT E .250 IN SHFT
3	4	760343	PART	BEARING - DRIVE ROLLER
4	2	810492	PART	ENCODER WHEEL
5	2	A000126	ASSEMBLY	ASY-PCB S3 SENSOR-2
6	1	A000365-01	ASSEMBLY	ASY PCB RFID ANTENNA
7	2	D900406	ASSEMBLY	ASY REWIND MTR
8	2	D920031	ASSEMBLY	ASY- SUPPLY SHAFT
9	2	D920170	PART	GEAR 42T SPUR
10	2	D920189	ASSEMBLY	ASY MTR LAM TAKEUP
11	1	D920210	ASSEMBLY	SIDEPLATE - REAR
12	2	F000176	PART	SCREW-#4-20X.250_TPH_ZP_PLAS
13	2	F000351	PART	CABLE TIE TWIST LOCK



VER	REV				
	A	RELEASE TO PRODUCTION.	CI7860	21-APR-10	JLS/JLS
		RECORD	ECO#	DATE	DRA/ENG

DRAWN BY: JLS	DATE: 18-Jan-10	FARGO® Part of HID Global	**CONFIDENTIAL AND PROPRIETARY INFORMATION** This document contains confidential and proprietary information, which may not be duplicated, published, disseminated or disclosed to unintended third party recipients (or just: "third parties") or used for any purpose, without written permission from Fargo Electronics Inc.
	DIM UNITS: inch		
		DESCRIPTION: ASY- REAR SIDEPLATE L2	1/1
SCALE: 0.500	SIZE: B		
ASSY DWG		PROJECT: NEO	ASSY PART NUMBER: D930415-02 / ITEM NUMBER: D930415-02

ENGINEERING USE ONLY

DRAWING FILE	ENGINEERING MODEL NAME	MODEL TYPE
D930415-02	D930415-02	ASSEM

FARGO

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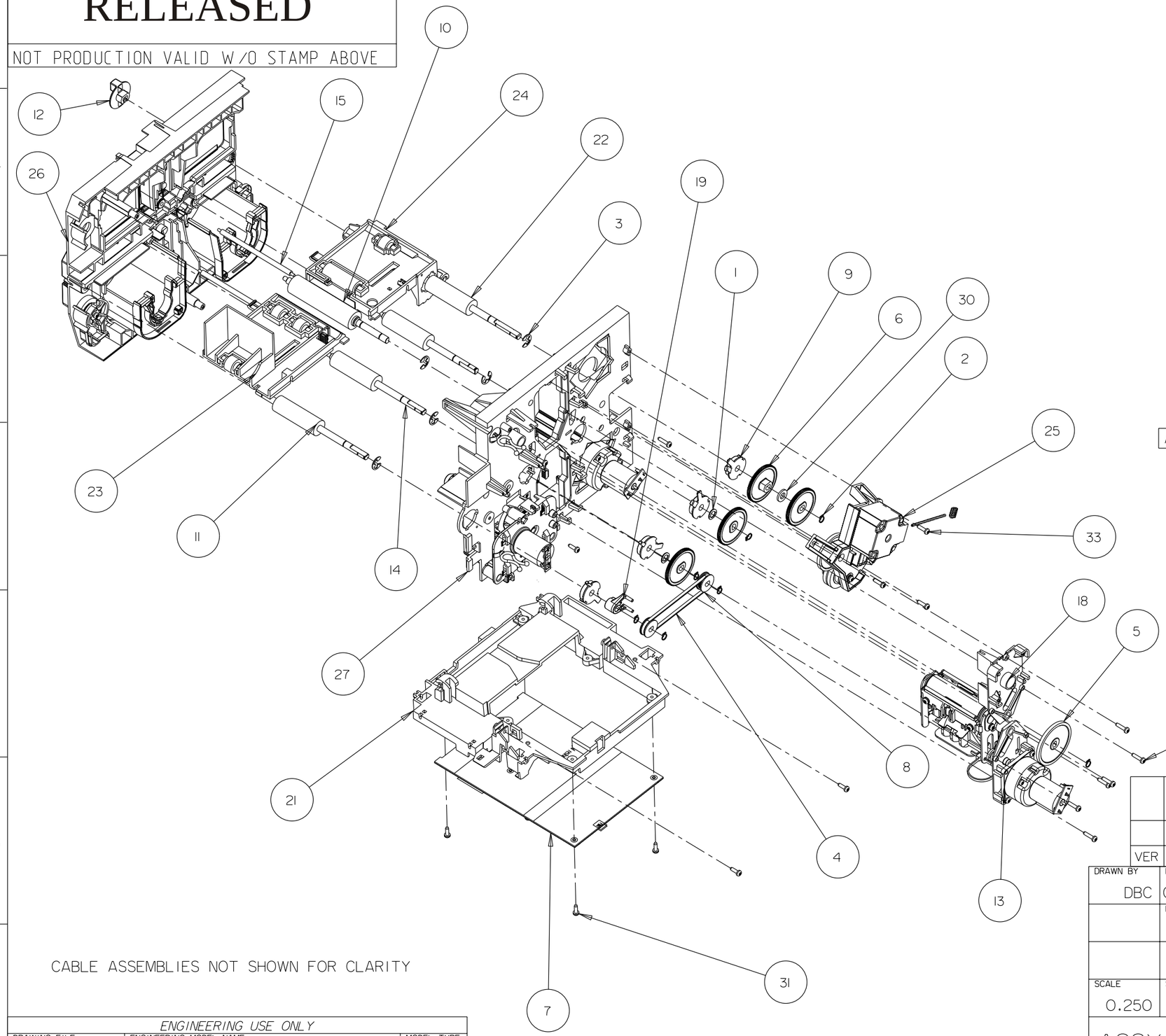

CABLE ASSEMBLIES NOT SHOWN FOR CLARITY

ITEM	QTY	ITEM NUMBER	TYPE	DESCRIPTION
1	2	130951	PART	WASHER-SPRING.269ID.423OD.006THK
2	7	140048	PART	RETAINING RING-EXT C .25 IN SHFT
3	5	140062	PART	RETAINING RING-EXT E .250 IN SHFT
4	1	220082	PART	BELT-105 GRV 125 W MXL
5	1	810265	PART	GEAR-PLATEN CARD DRIVE
6	4	810266	PART	GEAR-CARD TRANSPORT DRIVE
7	1	A920221	ASSEMBLY	ASY MAIN BOARD H5KL W/SOFT-START
8	2	D850190	PART	PULLEY-MAIN
9	4	D900046	PART	SHAFT BUSHING
10	1	D920014	PART	ROLLER PLATEN
11	1	D920015	PART	ROLLER-INPUT
12	1	D920016	PART	KNOB- GEAR TRAIN LAM
13	1	D920023	ASSEMBLY	ASY LAM HEAD BOTTOM
14	2	D920119-01	PART	ROLLER- FEED HIGH COF
15	2	D920137	PART	SHAFT- LAM PEEL
16	1	D920147	ASSEMBLY	ASY-CBL-ENC-SNR
17	1	D920153	ASSEMBLY	ASY-CBL-HEADLIFT MOTORS
18	1	D920163	PART	BRACKET-HEADLIFT MOTOR-LAM
19	1	D920168	PART	TENSIONER-BELT
20	1	D920175	ASSEMBLY	ASY-CBL-RFID
21	1	D920212	PART	BRACKET-LAM PRINT ATTACH
22	1	D920218	PART	ROLLER-INPUT-FLIPSIDE
23	1	D930410	ASSEMBLY	ASY - CENTERPLATE INPUT
24	1	D93041I-01	ASSEMBLY	ASY - CENTERPLATE EXIT SS (NEO)
25	1	D930413	ASSEMBLY	ASY - STEPPER DRIVE LAM
26	1	D930414-01	ASSEMBLY	ASY - FRONT SIDEPLATE LI
27	1	D930415-01	ASSEMBLY	ASY- REAR SIDEPLATE LI
28	1	D930621	ASSEMBLY	ASY CBL RBN FLIP LAM
29	1	E000508	PART	FERRITE-SNAP ON
30	1	F000156	PART	SPACER-NYLON .257 X .500 X .062
31	8	F000178	PART	SCREW-#4-20X.375_TPH_ZP_PLAS
32	7	F000182	PART	SCREW-#4-20X.500_TPH_ZP_PLAS
33	3	F000463	PART	SCREW-4-20X438 TPH ZP PLAS

VER	REV	RECORD	ECO#	DATE	DRA/ENG
	A	PRODUCTION RELEASE, UPDATE NAME D930218 WAS ROLLER-INPUT, NOW ROLLER-INPUT-FLIPSIDE	CI8054	27-JUL-10	DBC/JLS
	03	ADDED DRAWING, CHANGED DESCRIPTION	CI7660	02-Feb-10	DBC/JLS

DRAWN BY	DBC
DATE	02-Feb-10
DIM UNITS	inch
SCALE	0.250
SIZE	B
	ASSY DWG

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DESCRIPTION: ASY LAM MECH SS 1/1

PROJECT	ASSY PART NUMBER	ITEM NUMBER
	D930400-01	D930400-01

ENGINEERING USE ONLY

DRAWING FILE	ENGINEERING MODEL NAME	MODEL TYPE
D930400-01	D930400-01	ASSEM